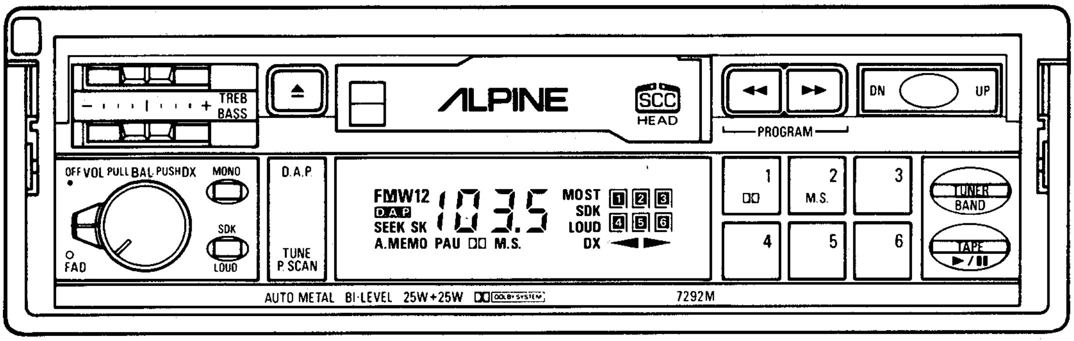
ALPINE SERVICE MANUAL

Digital FM/MW/LW Cassette

REVISED

- Serial Numbers after
  No. 00410001 for 7292M model.
  No. 00310001 for 7292L model.
- This service manual contains only the differences from the Service Manual of Model 7292M/7292L (68P30529W03).
- For the cassette deck mechanism parts GT75L12N (For 7292M model), GT75L12O (For 7292L model) of this model, refer to the GT Series · Service Manual (Part No. 68P92539F04).


TREB
BASS
ALPINE
SCC
HEAD
PROGRAM
DN
UP
OFF VOL PULL BAL PUSH DX
MONO
SDK
LOUD
FAD
D.A.P
TUNE
P.SCAN
FMW12
D.A.P
SEEK SK
A.MEMO PAU DD M.S.
1035
MOST
SDK
LOUD
DX
1
DD
2
M.S.
3
4
5
6
TUNER
BAND
TAPE
▶/II
AUTO METAL BI-LEVEL 25W+25W DD DOLBY SYSTEM
7292M

7292M/7292L

Contents

Specifications ······ 2 to 3
Adjustment Procedures ······ 4 to 8
Adjustment Locations ······ 9 to 11
Block Diagram ······ 12
Parts Layout on P. C. Boards and Wiring Diagram (For 7292M model only) ······ 13 to 16
Parts Layout on P. C. Boards and Wiring Diagram (For 7292L model only) ······ 17 to 20
Schematic Diagram (1/3) ······ 21 to 23
Schematic Diagram (2/3) ······ 24 to 26
Schematic Diagram (3/3) ······ 27 to 29
Electrical Parts List ······ 30 to 37
Packing Assembly Parts List ······ 38
Packing Method View ······ 38
Cabinet Assembly Parts List ······ 39
Exploded View (Cabinet) ······ 40 to 41
Semi-conductor Lead Identifications ······ 42 to 43

Spare Schematic Diagram Inserted.

Specifications

FM RADIO

Intermediate Frequency	10.7±0.1MHz
Frequency Range	87.5 to 108MHz
Usable Sensitivity (Stereo at 98.1MHz)	19.2dBf
S/N Ratio (Stereo at 98.1MHz)	50dB
Image rejection (at 106.1MHz)	40dB
IF Rejection (at 90.1MHz)	60dB
Distortion (Input 1mV at 98.1MHz)	1%
Frequency Response (Ref. 400Hz)	100Hz : 0±3dB 10kHz : -12±3dB
Stereo Separation (Input 1mV at 1,000Hz)	25dB
Limiting Sensitivity (at 98.1MHz)	20.2±6dBf
SK Sensitivity (at 98.1MHz)	26.2dBf (7292M Model Only)

MW RADIO

Intermediate Frequency	450 ± 5kHz
Frequency Range	531 to 1,602kHz
Sensitivity 20dB S / N (at 999kHz)	45.2dBf
S / N Ratio (at 999kHz)	44dB
Image Rejection (at 1,404kHz)	45dB
IF Rejection(at 603kHz)	60dB
Distortion (at 999kHz)	1%
Frequency Response (Ref. 400Hz)	100Hz : -3 ± 3dB 4kHz : -12 ± 6dB

LW RADIO

Intermediate Frequency	450 ± 5kHz
Frequency Range	153 to 281kHz
Sensitivity 20dB S / N (at 216kHz)	48.2dBf
S / N Ratio (at 216kHz)	40dB
Image Rejection (at 270kHz)	40dB
IF Rejection (at 216kHz)	50dB
Distortion (at 400kHz)	1.5%
Frequency Response (Ref. 400Hz)	100Hz : -3 ± 3dB 4KHz : -12 ± 6dB

TAPE PLAYER

Wow & Flutter (JIS WRMS / MTT-111)	0.25%
Tape Speed (MTT-111)	4.76cm / sec +3, -1%
S / N Ratio (MTT-212)	Dolby OFF : 50dB Dolby B : 58dB
Distortion (MTT-118)	2%
Frequency Response (MTT-256)	63Hz : -3dB 12.5kHz : -3dB
Separation (MTT-141)	30dB
Crosstalk (MTT-121)	45dB
FF / REW Time (C-60)	100sec

GENERAL

Load Impedance	4ohm (Speaker Out)
Power Supply	14.4V DC
Power-Output (10% THD)	12W / ch
Pre-Output Level / Impedance	1V / 10Kohm
Chassis Dimension (W×H×D)	178 × 50 × 160 mm
Nose Dimension (W×H×D)	178 × 50 × 20.78 mm
Weight	1.7Kg
Semiconductors	13 IC's, 58 Transistors, 52 Diodes, 15Zener Diodes, 1 FET (7292M Model Only) 11 IC's, 48 Transistors, 43 Diodes, 15Zener Diodes, 1 FET (7292L Model Only)

NOTE: Due to continuing product improvement, specifications and designs are subject to change without notice.

Adjustment Procedures

1. MW / LW SECTION

(1) Dummy Antenna

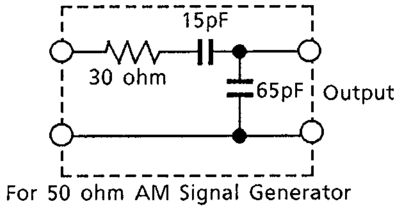

15pF
30 ohm
65pF
Output
For 50 ohm AM Signal Generator

Figure 1

(2) Connections

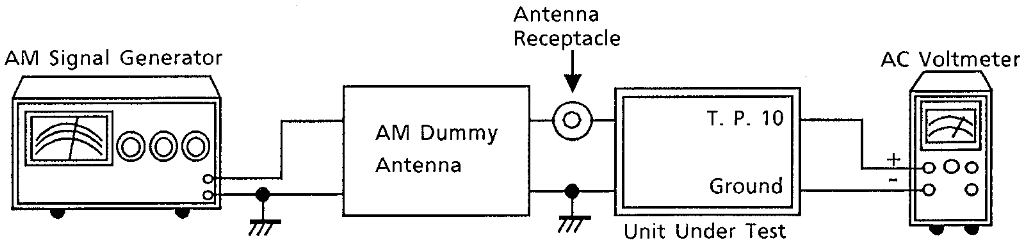

Antenna Receptacle
AM Signal Generator
AC Voltmeter
AM Dummy Antenna
T. P. 10
Ground
Unit Under Test
+
-

Figure 2

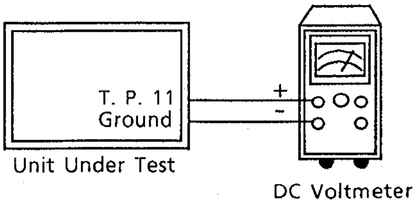

T. P. 11
Ground
Unit Under Test
+
-
DC Voltmeter

Figure 3

(3) Location of Adjustment Parts
See Adjustment Locations.

(4) Control Settings

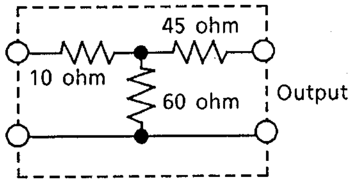
Power Switch	ON	Balance Control	Mechanical Center
Band Select Switch	AM	Treble / Bass Control	Mechanical Center
Others	OFF	Fader Control	Front Position

(5) Adjustment Procedures

Step	Description	Connection	Signal Generator	Dial Control	Adjustment
1	Band Covering	Figure 3	-	LW : 153kHz	Adjust T8 for 1.5V ± 0.5V Output at TP 11.
2	IF and Tracking Adjustment	Figure 2	999kHz, 20dB	MW : 999kHz	Adjust T3, 4, 5 for Maximum Output at TP 10.

2. SDK Section (7292M Model Only)

(1) Dummy Antenna


45 ohm
10 ohm
60 ohm
Output

For 50 ohm FM Signal Generator

Figure 4

(2) Connections

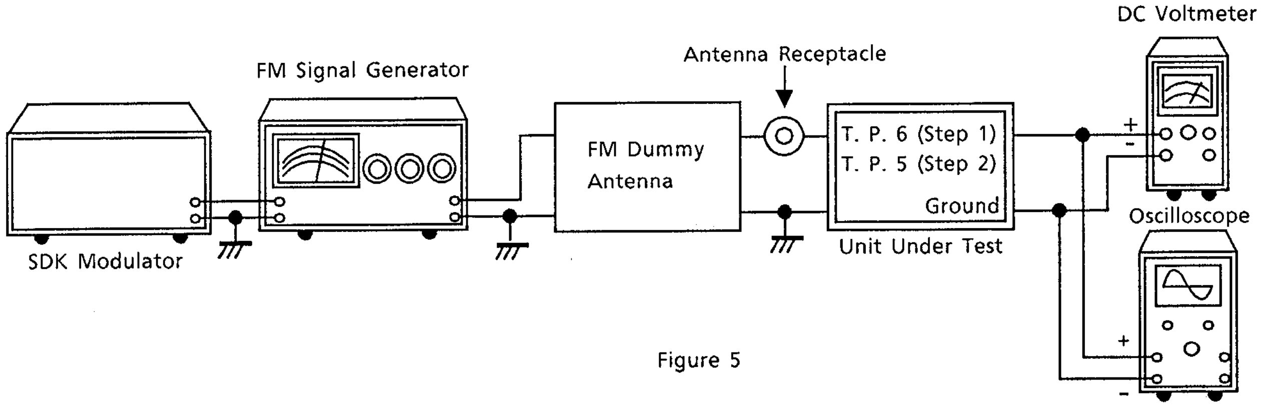

DC Voltmeter
FM Signal Generator
Antenna Receptacle
FM Dummy Antenna
T. P. 6 (Step 1)
T. P. 5 (Step 2)
Ground
Unit Under Test
SDK Modulator
Oscilloscope
+
-
+
-

Figure 5

(3) Location of Adjustment Parts
See Adjustment Locations.

(4) Control Settings

Power Switch	ON	Treble / Bass Controls	Mechanical Center
Band Select Switch	SDK	Fader Control	Front Position
Balance Control	Mechanical Center	Others	OFF

(5) Adjustment Procedures

Step	Description	Connection	Signal Generator	Dial Control	Adjustment
1	SK Adjustment	Figure 5	98.1MHz, 26dBμ (SK, BK : ON DK : OFF)	98.1MHz	L701 for Maximum Output at T. P. 6
2	DK Adjustment	Figure 5	98.1MHz, 26dBμ (SK, BK, DK : ON)	98.1MHz	VR701 for Maximum Output at T. P. 5

3. FM SECTION

(1) Dummy Antenna

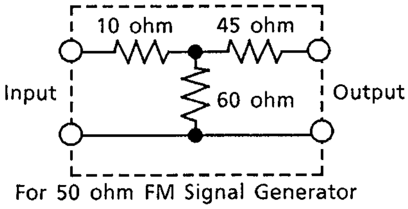

10 ohm
45 ohm
Input
60 ohm
Output
For 50 ohm FM Signal Generator

Figure 6

(2) Connections

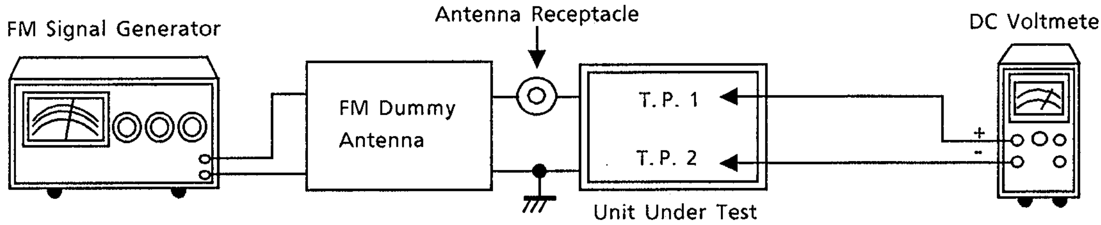

FM Signal Generator
FM Dummy Antenna
Antenna Receptacle
T. P. 1
T. P. 2
Unit Under Test
DC Voltmeter
+
-

Figure 7

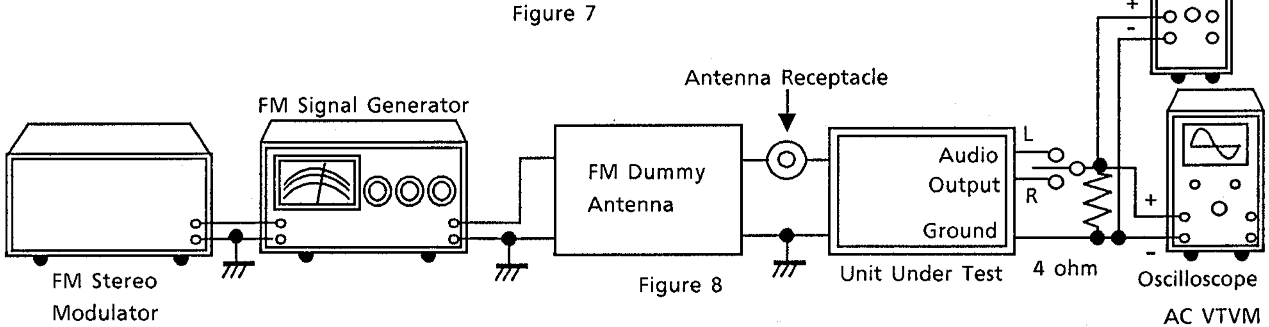

AC VTVM
+
-
Antenna Receptacle
FM Signal Generator
FM Dummy Antenna
Audio Output
Ground
L
R
+
-
FM Stereo Modulator
Unit Under Test
4 ohm
Oscilloscope

Figure 8

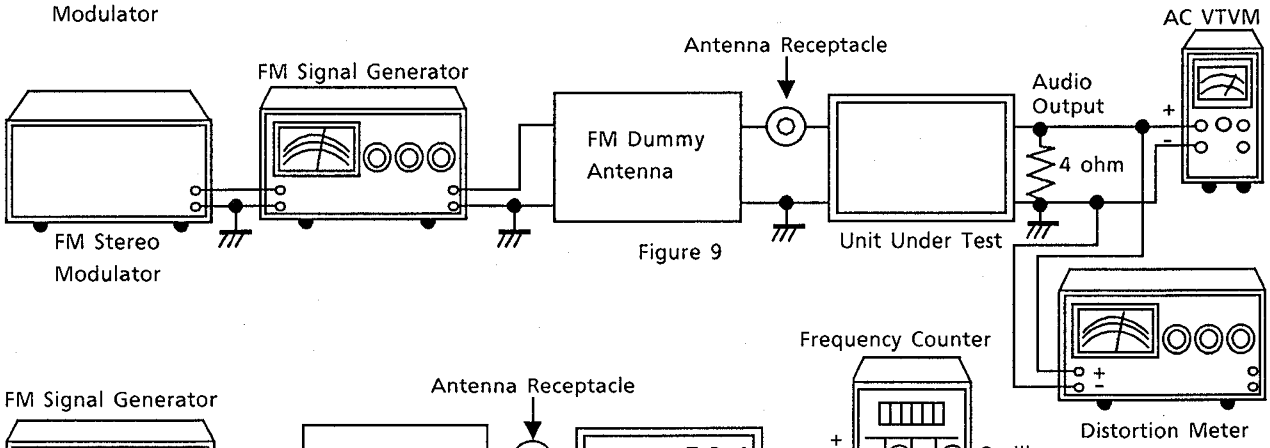

AC VTVM
Antenna Receptacle
FM Signal Generator
Audio Output
+
-
FM Dummy Antenna
4 ohm
FM Stereo Modulator
Unit Under Test
+
-
Distortion Meter

Figure 9

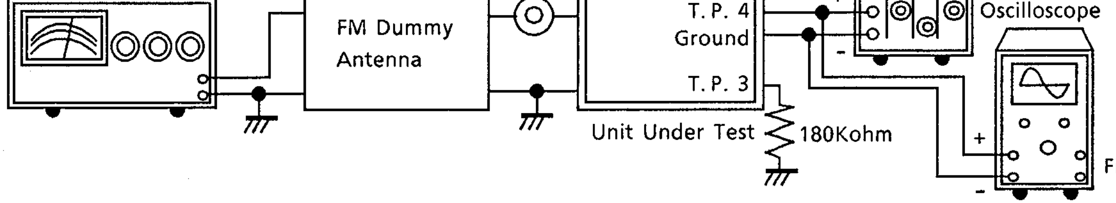

Frequency Counter
FM Signal Generator
Antenna Receptacle
FM Dummy Antenna
T. P. 4
Ground
T. P. 3
+
-
Oscilloscope
Unit Under Test
180Kohm
+
-

Figure 10

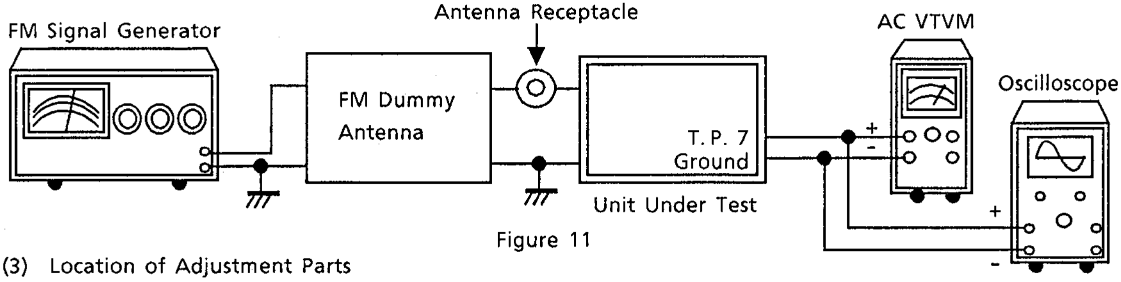

Antenna Receptacle
AC VTVM
FM Signal Generator
Oscilloscope
FM Dummy Antenna
T. P. 7
Ground
+
-
Unit Under Test
+
-

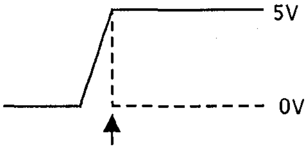
Figure 11

(3) Location of Adjustment Parts
See Adjustment Locations

(4) Control Settings

Power Switch	ON	Balance Control	Mechanical Center
Band Select Switch	FM	Treble / Bass Control	Mechanical Center
Others	OFF	Fader Control	Front Position

(5) Adjustment Procedures

Step	Description	Connection	Signal Generator	Dial Control	Adjustment
1	IF Adjustment	Figure 7	98.1MHz, 72dBμ (Mono Signal, No Modulation)	98.1MHz	Adjust T7 for 0V ± 25mV between T. P. 1 and 2.
2	VCO Adjustment	Figure 10	98.1MHz, 72dBμ (Mono Signal, No Modulation)	98.1MHz	Adjust VR2 for 19 ± 0.05kHz curve at T.P.4.
3	Separation Adjustment	Figure 8	98.1MHz, 72dBμ, 1,000Hz R (L) Signal, Modulation	98.1MHz	Adjust VR3 for minimum at Lch (Rch.) output.
4	FM Stereo Blend Adjustment	Figure 9	98.1MHz, 66dBμ L Signal	98.1MHz	VR203 (VOLUME) for 2V at Lch output.
			98.1MHz, 46dBμ L Signal	98.1MHZ	Adjust VR4 for 10 ± 3 dB Separation.
5	Seek Stop Adjustment	Figure 11	98.1MHz, 15dBμ (Mono Signal, NO Modulation)	98.1MHz	Adjust VR1 so that output waveform at T.P.7 changes Low level (0V) to High level (5V) as shown in Figure below. Output Waveform at T. P. 7  Stop (VR1 adjustment should be sotpped at this position.)

4. TAPE SECTION

(1) Connection

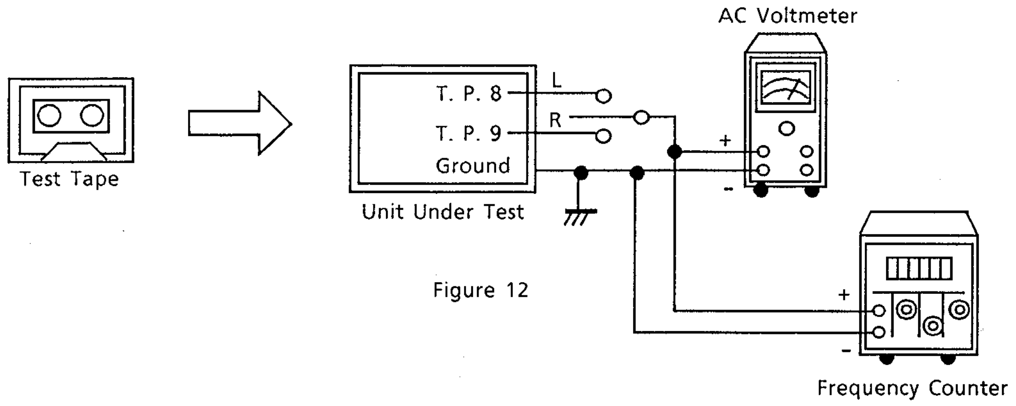


Figure 12

(2) Location of Adjustment parts
See Adjustment Locations

(3) Control Settings

Power Switch	ON	Treble / Bass Control	Mechanical Center
Fader Control	Front Position	Others	OFF
Balance Control	Mechanical Center		

(4) Adjustment Procedures

Step	Description	Test Tape	Connection	Test Point	Adjustment Point	Adjustment
1	Head Azimuth Adjustment	MTT-114NB (14kHz)	Figure 12	T. P. 8 T. P. 9	Head Azimuth Adjustment Screw (Figure 13)	Adjust for maximum and same level output at normal and reverse positions.
2	Tape Speed Adjustment	MTT-111 (3kHz)	Figure 12	T. P. 8 or T. P. 9	Tape Speed Adjustment (Figure 14)	Adjust for 3,030-3,080Hz
3	Dolby Level Adjustment	MTT-150 (400Hz)	Figure 12	T. P. 8 T. P. 9	VR601 (L) VR602 (R)	Adjust for 245mV ± 1dB.

Adjustment Locations

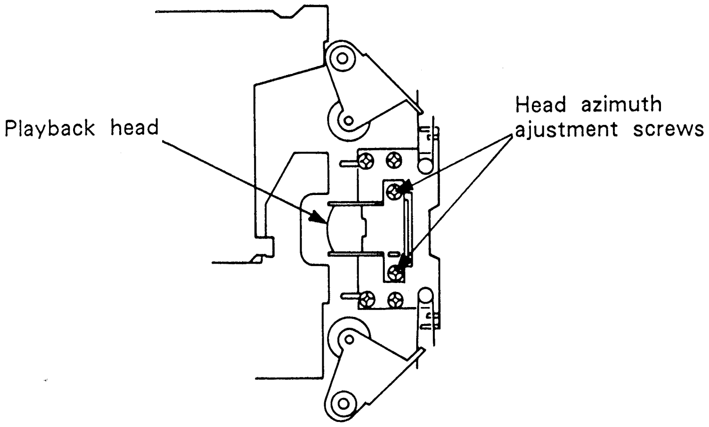

Playback head
Head azimuth
ajustment screws

Figure 13

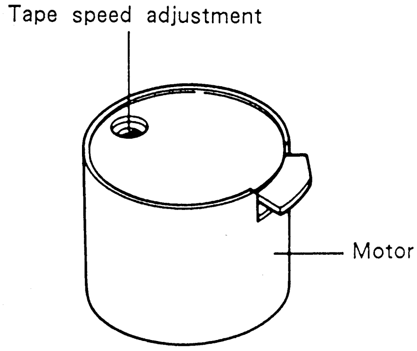
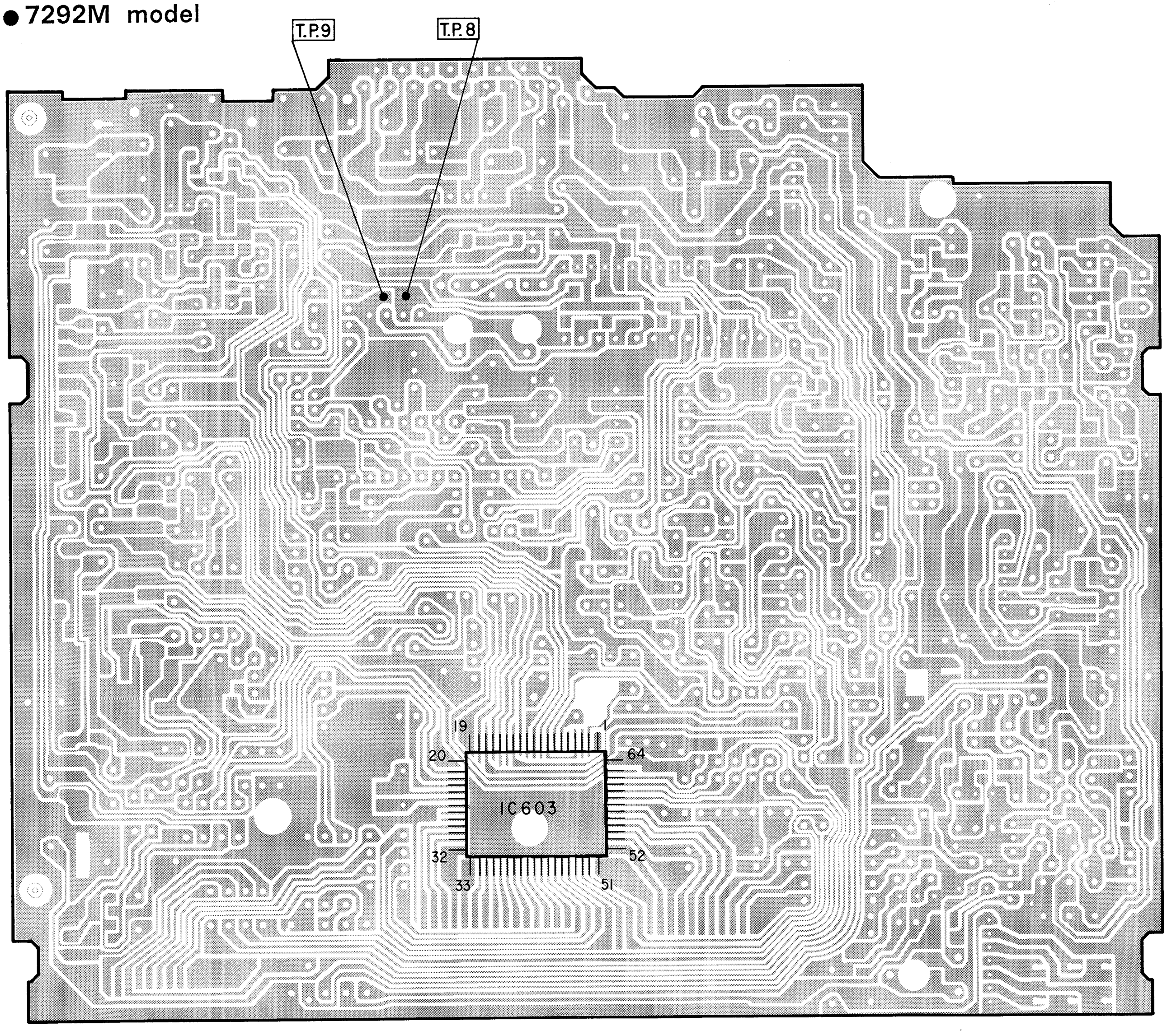
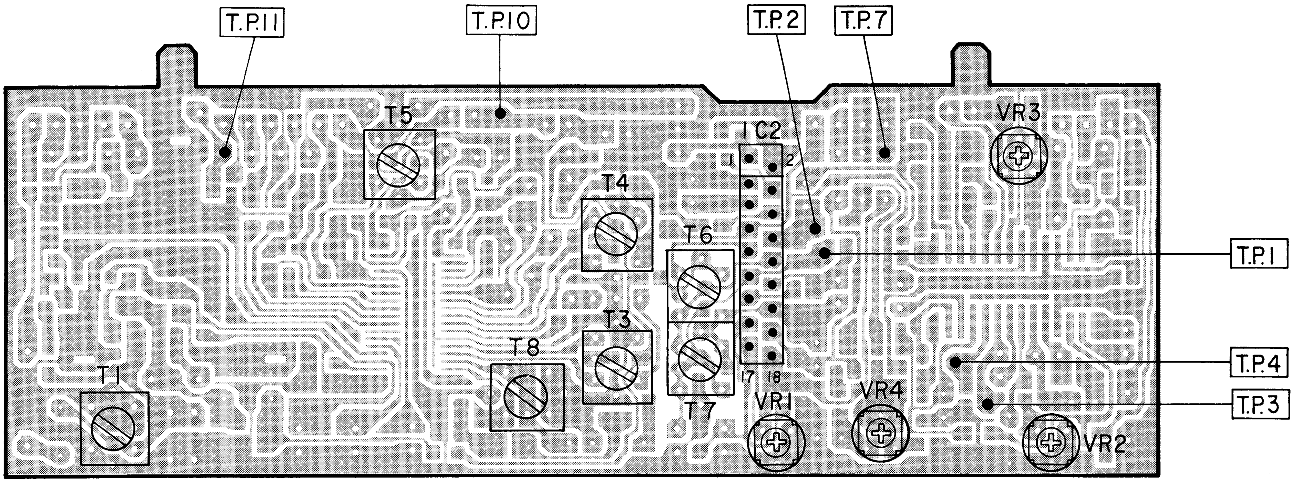

Tape speed adjustment
Motor

Figure 14

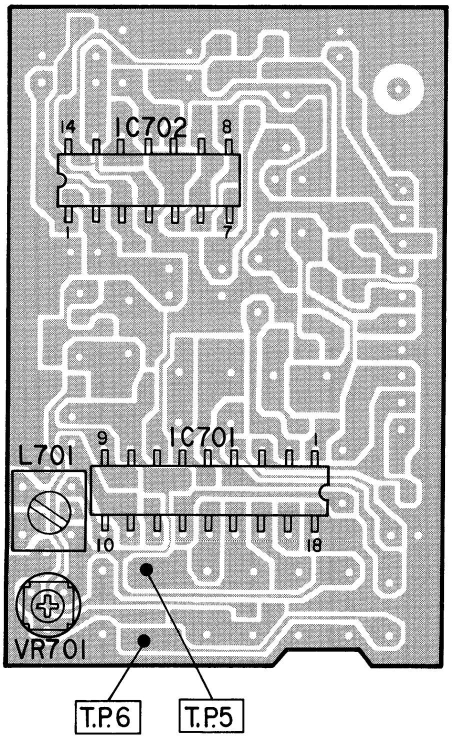
● **7292M model**


T.P.9
T.P.8
19
1
20
64
IC603
32
52
33
51

Main P. C. Board (Bottom View)

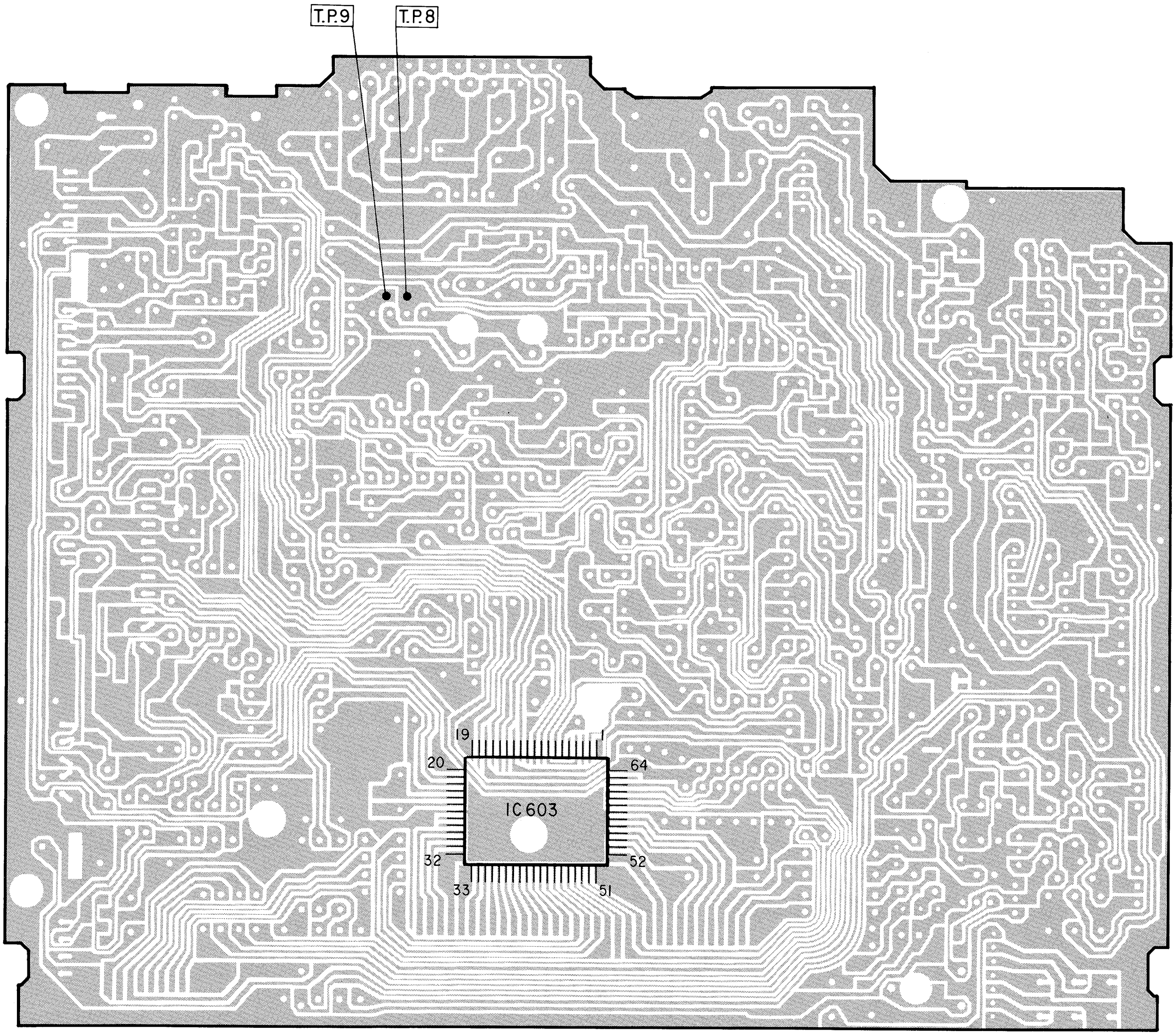

T.P.11
T.P.10
T.P.2
T.P.7
T5
IC2
1
2
VR3
T4
T6
T.P.1
T3
T8
T1
17
18
T7
VR1
VR4
T.P.4
T.P.3
VR2

Tuner P. C. Board (Top View)

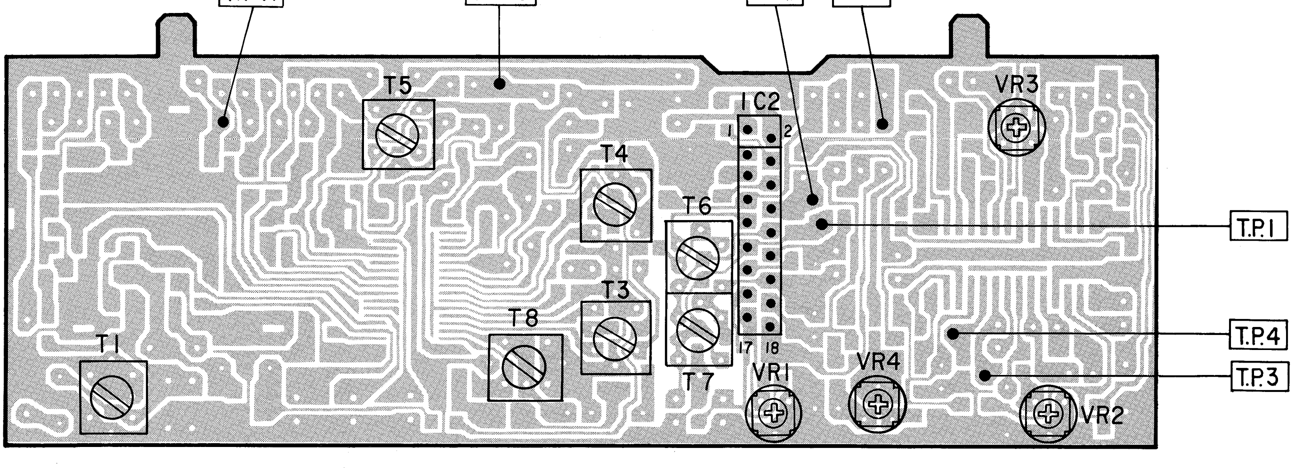

14
IC702
8
1
7
9
IC701
1
L701
10
18
VR701
T.P.6
T.P.5

SDK P. C. Board (Top View)
(7292M model only)

● 7292L model

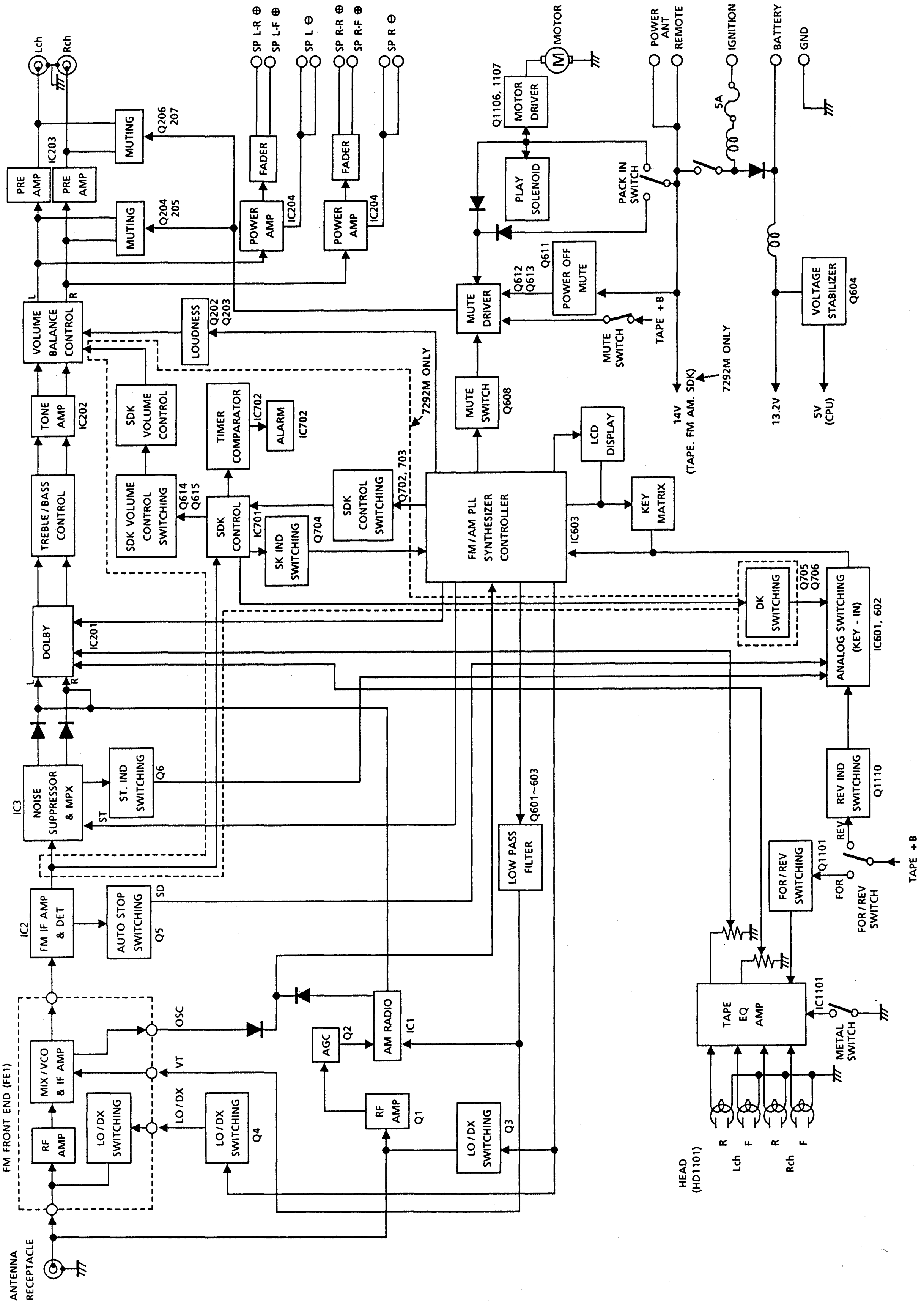

T.P.9
T.P.8
19
20
64
IC603
32
52
33
51

Main P. C. Board (Bottom View)


T.P.11
T.P.10
T.P.2
T.P.7
T5
IC2
1
2
VR3
T4
T6
T.P.1
T3
T8
T1
17
18
T.P.4
T 7
VR1
VR4
T.P.3
VR2

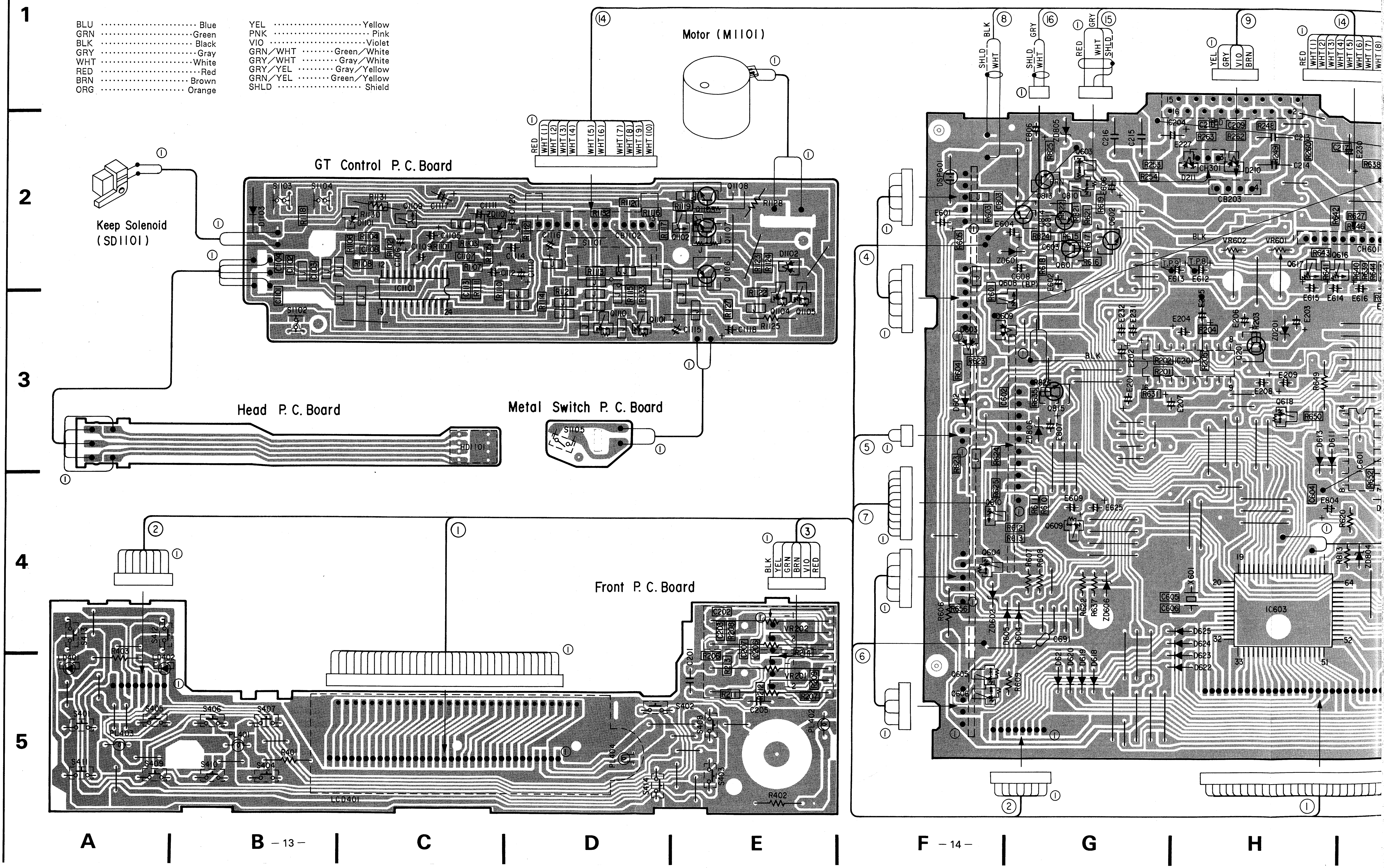
Tuner P. C. Board (Top View)

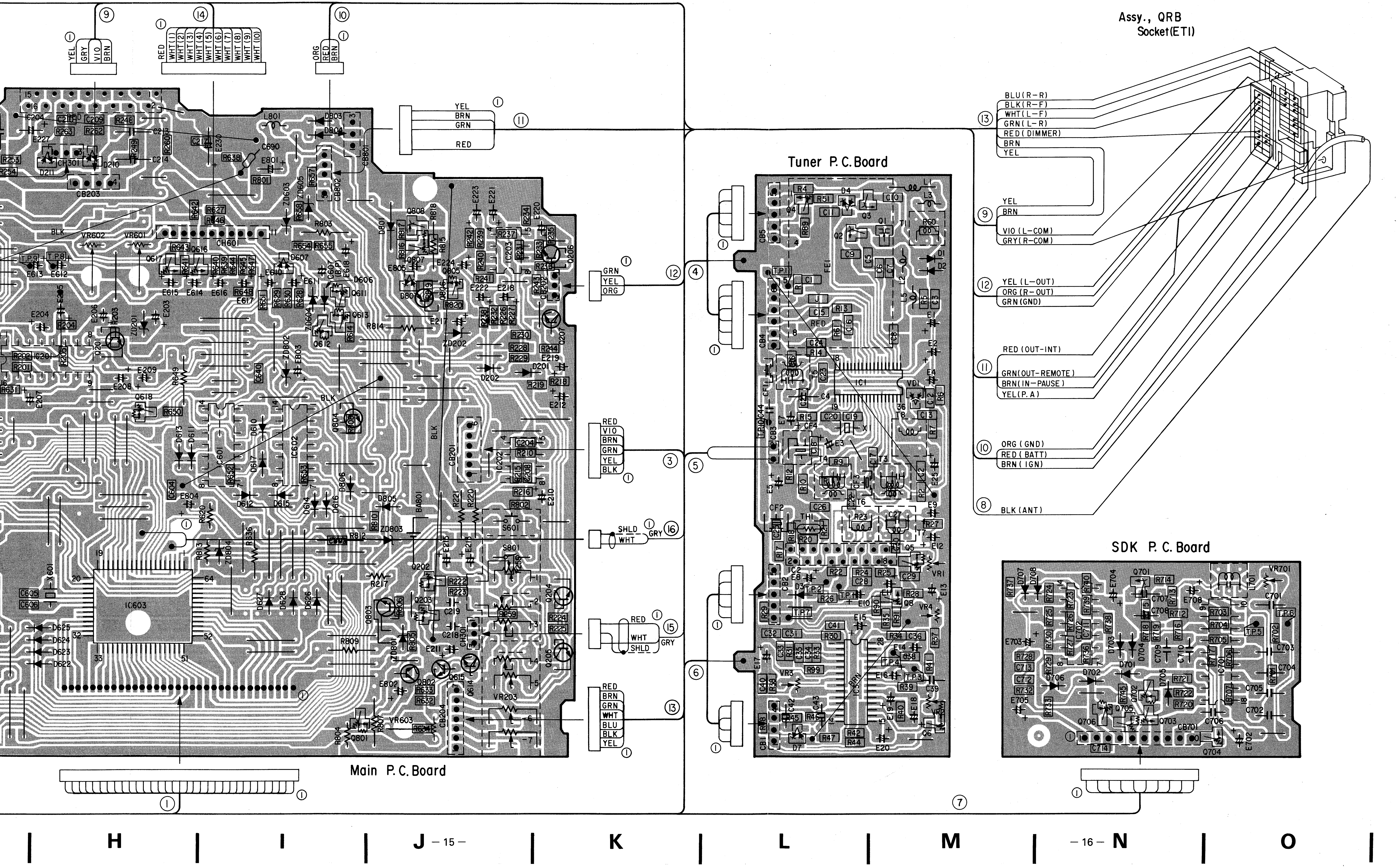
Block Diagram


ANTENNA RECEPTACLE
FM FRONT END (FE1)
RF AMP
MIX/VCO & IF AMP
LO/DX SWITCHING
OSC
VT
LO/DX
LO/DX SWITCHING
Q4
IC2
FM IF AMP & DET
AUTO STOP SWITCHING
Q5
SD
IC3
NOISE SUPPRESSOR & MPX
ST
ST. IND SWITCHING
Q6
L
R
DOLBY
IC201
TREBLE/BASS CONTROL
TONE AMP
IC202
VOLUME BALANCE CONTROL
PRE AMP
PRE AMP
IC203
MUTING
Q204 205
MUTING
Q206 207
Lch
Rch
LOUDNESS
Q202 Q203
SDK VOLUME CONTROL
SDK VOLUME CONTROL SWITCHING
Q614 Q615
SDK CONTROL
IC701
TIMER COMPARATOR
IC702
ALARM
IC702
SK IND SWITCHING
Q704
SDK CONTROL SWITCHING
Q702, 703
7292M ONLY
POWER AMP
IC204
FADER
POWER AMP
IC204
FADER
SP L-R ⊕
SP L-F ⊕
SP L ⊖
SP R-R ⊕
SP R-F ⊕
SP R ⊖
FM/AM PLL SYNTHESIZER CONTROLLER
IC603
LCD DISPLAY
KEY MATRIX
MUTE SWITCH
Q608
MUTE DRIVER
Q612 Q613
POWER OFF MUTE
Q611
MUTE SWITCH
TAPE +B
PLAY SOLENOID
MOTOR DRIVER
Q1106, 1107
M
MOTOR
PACK IN SWITCH
POWER ANT
REMOTE
IGNITION
5A
BATTERY
GND
VOLTAGE STABILIZER
Q604
14V (TAPE, FM AM, SDK)
7292M ONLY
13.2V
5V (CPU)
DK SWITCHING
Q705 Q706
ANALOG SWITCHING (KEY - IN)
IC601, 602
REV IND SWITCHING
Q1110
REV
FOR
FOR/REV SWITCHING
Q1101
FOR/REV SWITCH
TAPE +B
LOW PASS FILTER
Q601~603
AM RADIO
IC1
AGC
Q2
RF AMP
Q1
LO/DX SWITCHING
Q3
TAPE EQ AMP
IC1101
METAL SWITCH
HEAD (HD1101)
R
F
Lch
R
F
Rch

Parts Layout on P.C. Boards and Wiring Diagram ●For 7292M model only

BLU	Blue	YEL	Yellow
GRN	Green	PNK	Pink
BLK	Black	VIO	Violet
GRY	Gray	GRN/WHT	Green/White
WHT	White	GRY/WHT	Gray/White
RED	Red	GRY/YEL	Gray/Yellow
BRN	Brown	GRN/YEL	Green/Yellow
ORG	Orange	SHLD	Shield

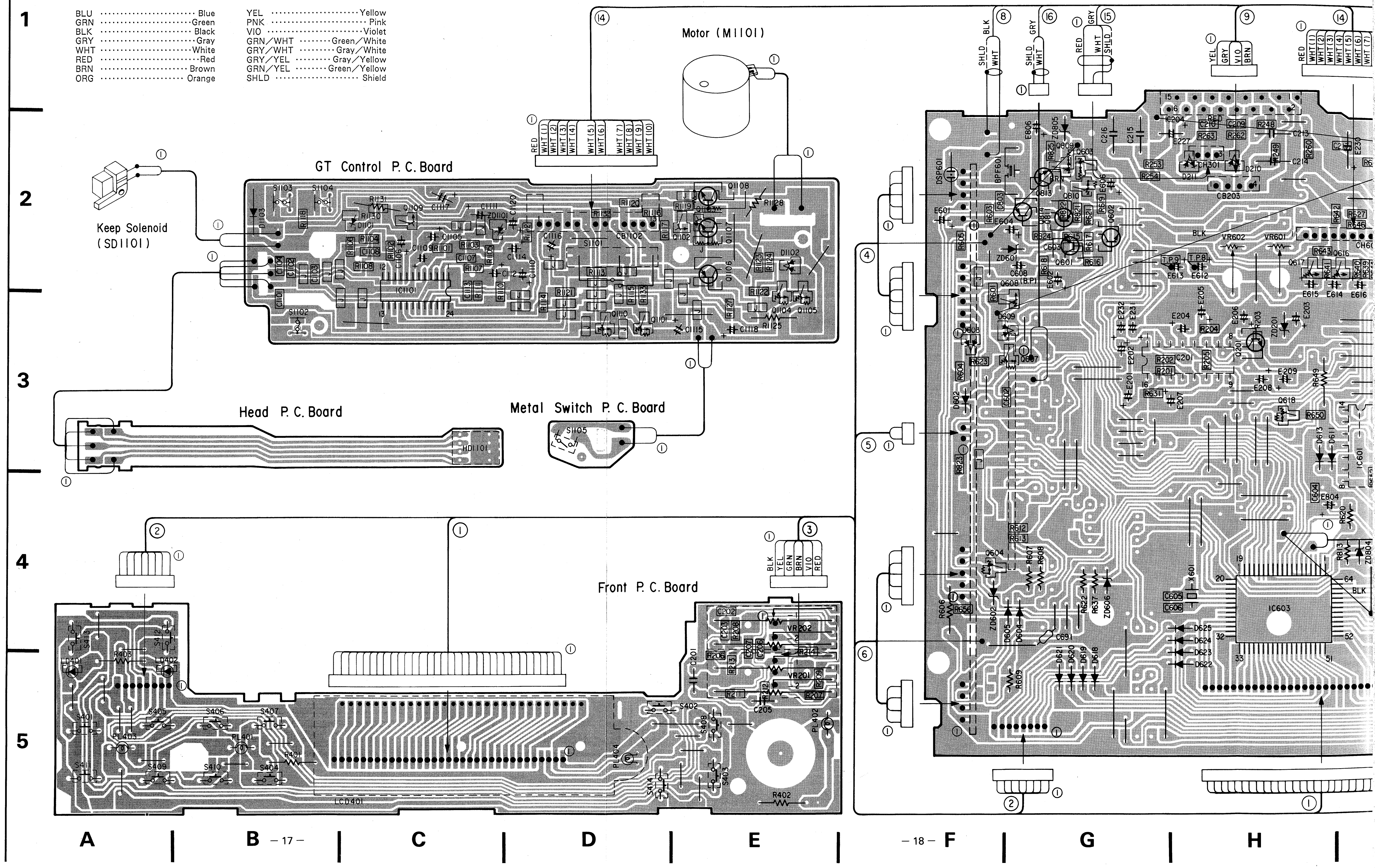

1
2
3
4
5
Motor (M1101)
Keep Solenoid (SD1101)
GT Control P.C. Board
Head P.C. Board
Metal Switch P.C. Board
Front P.C. Board
HD1101
S1105
IC1101
IC603
LCD401
X601
VR201
VR202
VR601
VR602
CH301
CB203
CH601
CB1102
RED
WHT
BLK
GRY
SHLD
YEL
VIO
BRN
GRN
A
B
C
D
E
F
G
H

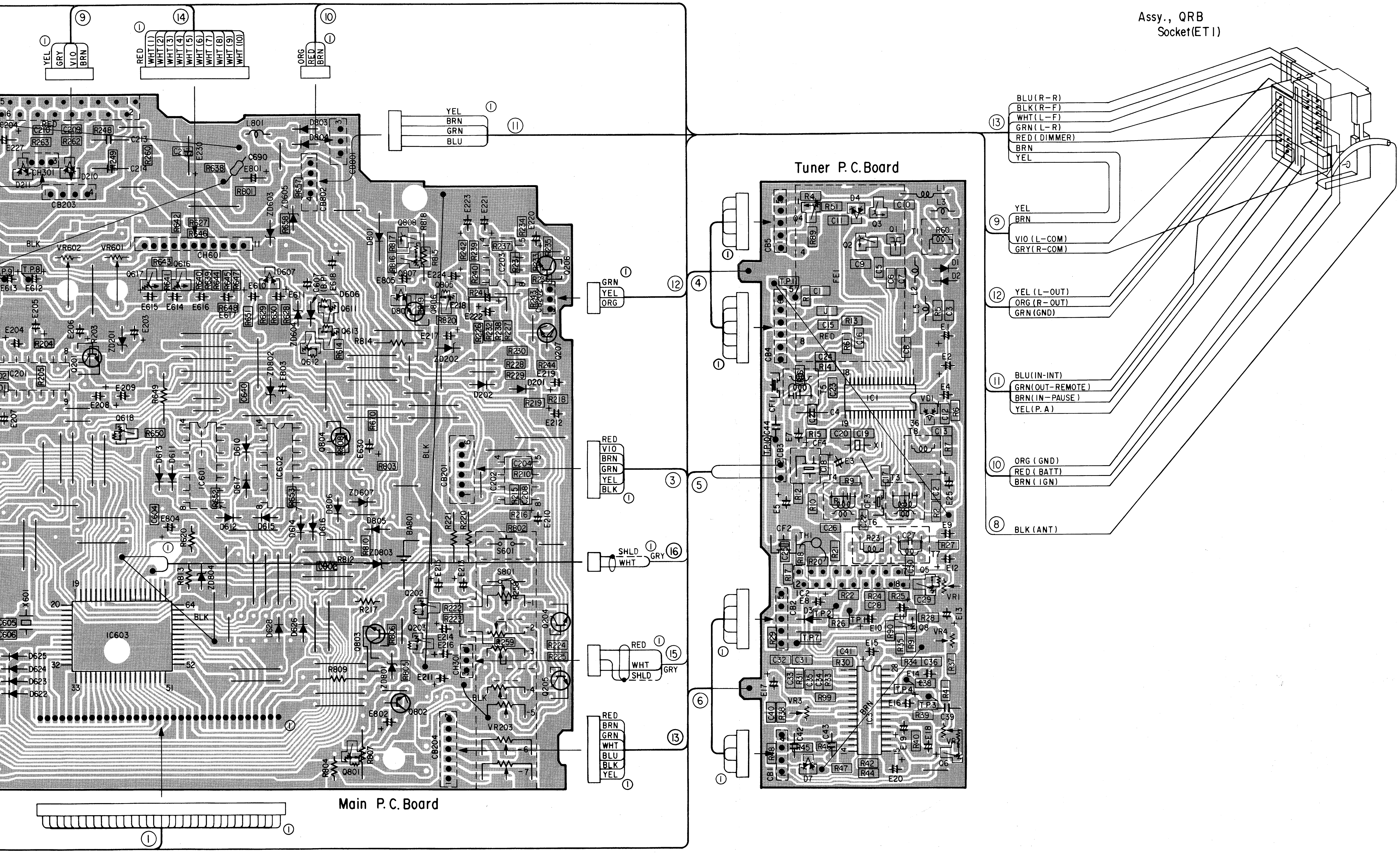

Assy., QRB
Socket(ETI)
Tuner P.C. Board
Main P.C. Board
SDK P.C. Board
⑨ YEL GRY VIO BRN
⑭ RED WHT(1) WHT(2) WHT(3) WHT(4) WHT(5) WHT(6) WHT(7) WHT(8) WHT(9) WHT(10)
⑩ ORG RED BRN
⑪ YEL BRN GRN RED
⑫ GRN YEL ORG
③ RED VIO BRN GRN YEL BLK
⑯ SHLD WHT GRY
⑮ RED WHT SHLD GRY
⑬ RED BRN GRN WHT BLU BLK YEL
⑬ BLU(R-R) BLK(R-F) WHT(L-F) GRN(L-R) RED(DIMMER) BRN YEL
⑨ YEL BRN VIO(L-COM) GRY(R-COM)
⑫ YEL(L-OUT) ORG(R-OUT) GRN(GND)
⑪ RED(OUT-INT) GRN(OUT-REMOTE) BRN(IN-PAUSE) YEL(P.A)
⑩ ORG(GND) RED(BATT) BRN(IGN)
⑧ BLK(ANT)
④ ⑤ ⑥ ⑦ ①
IC603 IC1 IC3
H I J K L M N O

Parts Layout on P.C. Boards and Wiring Diagram

● For 7292L model only

BLU	Blue	YEL	Yellow
GRN	Green	PNK	Pink
BLK	Black	VIO	Violet
GRY	Gray	GRN/WHT	Green/White
WHT	White	GRY/WHT	Gray/White
RED	Red	GRY/YEL	Gray/Yellow
BRN	Brown	GRN/YEL	Green/Yellow
ORG	Orange	SHLD	Shield


1
2
3
4
5
Motor (M1101)
Keep Solenoid (SD1101)
GT Control P. C. Board
Head P. C. Board
Metal Switch P. C. Board
Front P. C. Board
HD1101
S1105
IC1101
LCD401
IC603
IC601
X601
VR201
VR202
VR601
VR602
RED
WHT (1)
WHT (2)
WHT (3)
WHT (4)
WHT (5)
WHT (6)
WHT (7)
WHT (8)
WHT (9)
WHT (10)
BLK
YEL
GRN
BRN
VIO
GRY
SHLD
A
B
C
D
E
F
G
H



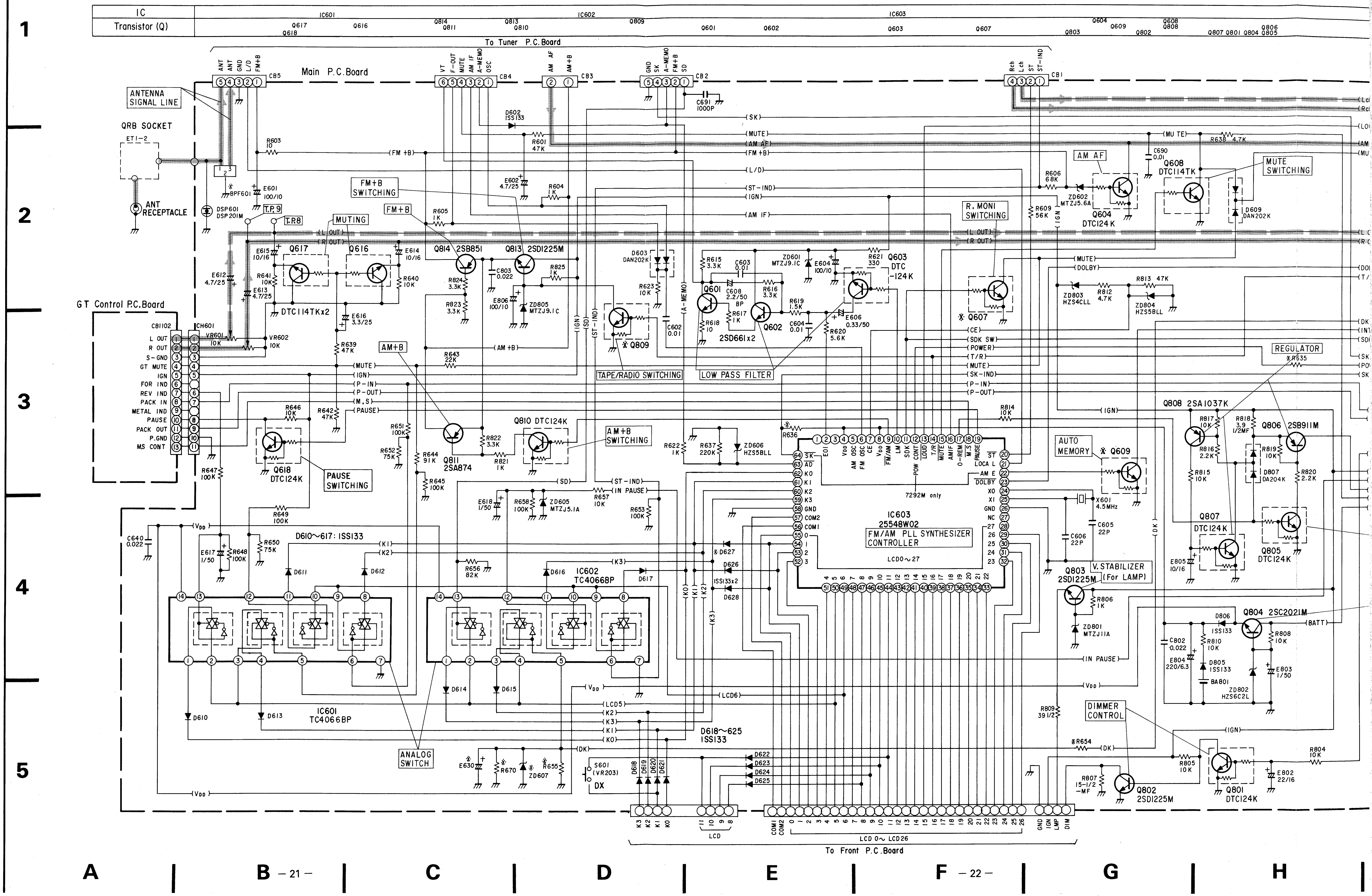
Main P.C. Board

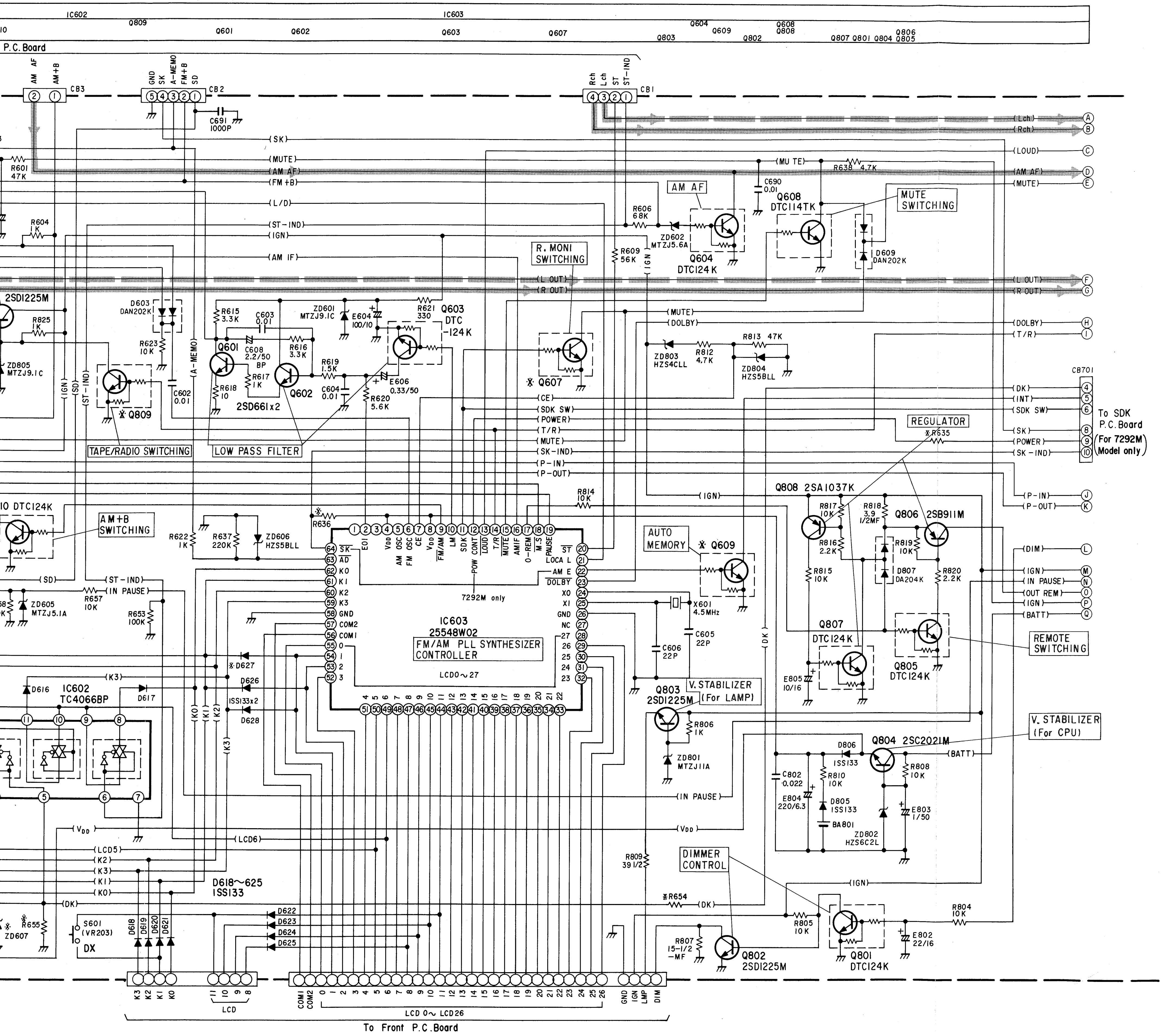
Tuner P.C. Board

Assy., QRB
Socket(ETI)

⑨ YEL GRY VIO BRN ①
⑭ RED WHT(1) WHT(2) WHT(3) WHT(4) WHT(5) WHT(6) WHT(7) WHT(8) WHT(9) WHT(10) ①
⑩ ORG RED BRN ①
⑪ YEL BRN GRN BLU ①
⑫ GRN YEL ORG ①
③ RED VIO BRN GRN YEL BLK ①
⑯ SHLD WHT GRY ①
⑮ RED WHT SHLD GRY ①
⑬ RED BRN GRN WHT BLU BLK YEL ①
④ ⑤ ⑥ ①
⑬ BLU(R-R) BLK(R-F) WHT(L-F) GRN(L-R) RED(DIMMER) BRN YEL
⑨ YEL BRN VIO(L-COM) GRY(R-COM)
⑫ YEL(L-OUT) ORG(R-OUT) GRN(GND)
⑪ BLU(IN-INT) GRN(OUT-REMOTE) BRN(IN-PAUSE) YEL(P.A)
⑩ ORG(GND) RED(BATT) BRN(IGN)
⑧ BLK(ANT)
IC603 IC601 IC602 IC1 IC2 IC3
CH601 CH301 CB203 CB802 CB801 CB201 CB204 CB1 CB2 CB3 CB4 CB5
VR601 VR602 VR203 VR1 VR3 VR4
Q201 Q202 Q203 Q204 Q205 Q206 Q207 Q611 Q612 Q613 Q616 Q617 Q618 Q801 Q802 Q803 Q804 Q805 Q806 Q807 Q808
Q1 Q2 Q3 Q4 Q5 Q6 Q8
L801 X601 BA801 S601 S801 TH1 X1 CF1 CF2 CF3 CF4 FE1 VD1 T.P.1 T.P.2 T.P.3 T.P.4 T.P.7 T.P.8 T.P.9 T.P.10
BLK RED BRN

Schematic Diagram (1/3)


IC
Transistor (Q)
IC601
IC602
IC603
Q617
Q618
Q616
Q814
Q811
Q813
Q810
Q809
Q601
Q602
Q603
Q607
Q803
Q604
Q609
Q802
Q608
Q808
Q807 Q801 Q804 Q806
Q805
To Tuner P.C.Board
Main P.C.Board
ANT ANT GND L/D FM+B
CB5
VT F-OUT MUTE AM IF A-MEMO OSC
CB4
AM AF AM+B
CB3
GND SK A-MEMO FM+B SD
CB2
Rch Lch ST ST-IND
CB1
ANTENNA SIGNAL LINE
QRB SOCKET
ET1-2
ANT RECEPTACLE
BPF601
E601 100/10
R603 10
DSP601 DSP201M
T.P.9
T.P.8
MUTING
FM+B SWITCHING
FM+B
C691 1000P
D602 1SS133
R601 47K
E602 4.7/25
R604 1K
R605 1K
Q617
Q616
E615 10/16
E614 10/16
E612 4.7/25
E613 4.7/25
R641 10K
R640 10K
DTC114TKx2
E616 3.3/25
R639 47K
Q814 2SB851
Q813 2SD1225M
C803 0.022
R825 1K
R824 3.3K
R823 3.3K
E806 100/10
ZD805 MTZJ9.1C
D603 DAN202K
R623 10K
C602 0.01
Q809
TAPE/RADIO SWITCHING
R615 3.3K
C603 0.01
C608 2.2/50 BP
Q601
R618 10
R617 1K
R616 3.3K
Q602
2SD661x2
LOW PASS FILTER
ZD601 MTZJ9.1C
E604 100/10
R621 330
Q603 DTC-124K
R619 1.5K
C604 0.01
E606 0.33/50
R620 5.6K
R. MONI SWITCHING
Q607
AM AF
R606 68K
ZD602 MTZJ5.6A
Q604 DTC124K
R609 56K
C690 0.01
R638 4.7K
Q608 DTC114TK
MUTE SWITCHING
D609 DAN202K
ZD803 HZS4CLL
R812 4.7K
R813 47K
ZD804 HZS5BLL
REGULATOR
R635
GT Control P.C.Board
CB1102
CH601
L OUT
R OUT
S-GND
GT MUTE
IGN
FOR IND
REV IND
PACK IN
METAL IND
PAUSE
PACK OUT
P.GND
MS CONT
VR601 10K
VR602 10K
AM+B
R643 22K
R646 10K
R642 47K
Q618 DTC124K
PAUSE SWITCHING
R647 100K
R651 100K
R652 75K
R644 91K
R645 100K
Q811 2SA874
R822 3.3K
R821 1K
Q810 DTC124K
AM+B SWITCHING
R622 1K
R637 220K
ZD606 HZS5BLL
R636
R814 10K
Q808 2SA1037K
R817 10K
R818 3.9 1/2MF
Q806 2SB911M
AUTO MEMORY
Q609
R816 2.2K
R819 10K
D807 DA204K
R815 10K
R820 2.2K
IC603 25548W02
FM/AM PLL SYNTHESIZER CONTROLLER
7292M only
LCD0~27
X601 4.5MHz
C605 22P
C606 22P
V. STABILIZER (For LAMP)
Q803 2SD1225M
R806 1K
ZD801 MTZJ11A
Q807 DTC124K
Q805 DTC124K
E805 10/16
Q804 2SC2021M
D806 1SS133
R810 10K
D805 1SS133
BA801
C802 0.022
E804 220/6.3
R808 10K
E803 1/50
ZD802 HZS6C2L
E618 1/50
R658 100K
ZD605 MTZJ5.1A
R657 10K
R653 100K
C640 0.022
E617 1/50
R648 100K
R649 100K
R650 75K
D610~617: 1SS133
D611
D612
R656 82K
D616
IC602 TC4066BP
D617
D627
D626
D628
1SS133x2
IC601 TC4066BP
D610
D613
D614
D615
ANALOG SWITCH
D618~625 1SS133
D622
D623
D624
D625
D618 D619 D620 D621
E630
R670
ZD607
R655
S601 (VR203)
DX
R809 391/2
R654
DIMMER CONTROL
R807 15-1/2-MF
Q802 2SD1225M
R805 10K
Q801 DTC124K
E802 22/16
R804 10K
K3 K2 K1 K0
11 10 9 8
LCD
COM1 COM2 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26
LCD 0~ LCD26
GND IGN LMP DIM
To Front P.C.Board
(SK) (MUTE) (AM AF) (FM+B) (L/D) (ST-IND) (IGN) (AM IF) (L OUT) (R OUT) (DOLBY) (CE) (SDK SW) (POWER) (T/R) (SK-IND) (P-IN) (P-OUT) (M.S) (PAUSE) (SD) (IN PAUSE) (VDD) (K0) (K1) (K2) (K3) (LCD5) (LCD6) (DK) (BATT)
1 2 3 4 5
A B C D E F G H


IC602
IC603
Q809
Q601
Q602
Q603
Q607
Q604
Q609
Q803
Q802
Q608
Q808
Q807 Q801 Q804
Q806
Q805
P.C. Board
AM AF
AM+B
CB3
GND
SK
A-MEMO
FM+B
SD
CB2
C691
1000P
Rch
Lch
ST
ST-IND
CB1
(SK)
(MUTE)
(AM AF)
(FM+B)
(L/D)
(ST-IND)
(IGN)
(AM IF)
(L OUT)
(R OUT)
(Lch)
(Rch)
(LOUD)
(MU TE)
R638 4.7K
AM AF
C690
0.01
Q608
DTC114TK
MUTE
SWITCHING
R606
68K
ZD602
MTZJ5.6A
Q604
DTC124K
R609
56K
D609
DAN202K
R. MONI
SWITCHING
R601
47K
R604
1K
2SD1225M
R825
1K
ZD805
MTZJ9.1C
D603
DAN202K
R623
10K
R615
3.3K
C603
0.01
ZD601
MTZJ9.1C
E604
100/10
R621
330
Q603
DTC
-124K
Q601
C608
2.2/50
BP
R616
3.3K
R617
1K
R618
10
Q602
2SD661x2
R619
1.5K
C604
0.01
E606
0.33/50
R620
5.6K
C602
0.01
Q809
TAPE/RADIO SWITCHING
LOW PASS FILTER
(A-MEMO)
(IGN)
(SD)
(ST-IND)
Q607
(MUTE)
(DOLBY)
ZD803
HZS4CLL
R812
4.7K
R813 47K
ZD804
HZS5BLL
(DOLBY)
(T/R)
CB701
(DK)
(INT)
(SDK SW)
(SK)
(POWER)
(SK-IND)
To SDK
P.C.Board
(For 7292M
Model only)
(CE)
(SDK SW)
(POWER)
(T/R)
(MUTE)
(SK-IND)
(P-IN)
(P-OUT)
REGULATOR
R635
R814
10K
(IGN)
Q808 2SA1037K
R817
10K
R818
3.9
1/2MF
Q806 2SB911M
R816
2.2K
R819
10K
D807
DA204K
R815
10K
R820
2.2K
(P-IN)
(P-OUT)
(DIM)
(IGN)
(IN PAUSE)
(OUT REM)
(IGN)
(BATT)
DTC124K
AM+B
SWITCHING
R622
1K
R637
220K
ZD606
HZS5BLL
R636
E01
Vdd
AM OSC
FM OSC
CE
Vdd
FM/AM
LM
SDK
POW CONT
LOUD
T/R
MUTE
AMIF
O-REM
M.S
PAUSE
ST
LOCA L
AM E
DOLBY
XO
XI
GND
NC
SK
AD
KO
K1
K2
K3
GND
COM2
COM1
7292M only
IC603
2554BW02
FM/AM PLL SYNTHESIZER
CONTROLLER
LCD0∼27
X601
4.5MHz
C605
22P
C606
22P
AUTO
MEMORY
Q609
(DK)
Q807
DTC124K
E805
10/16
Q805
DTC124K
REMOTE
SWITCHING
(SD)
(ST-IND)
(IN PAUSE)
R657
10K
R653
100K
ZD605
MTZJ5.1A
(K3)
D627
D626
1SS133x2
D628
D616
IC602
TC4066BP
D617
(KO)
(K1)
(K2)
(K3)
Q803
2SD1225M
V.STABILIZER
(For LAMP)
R806
1K
ZD801
MTZJ11A
V.STABILIZER
(For CPU)
Q804 2SC2021M
(BATT)
D806
1SS133
R810
10K
R808
10K
C802
0.022
E804
220/6.3
D805
1SS133
BA801
E803
1/50
ZD802
HZS6C2L
(IN PAUSE)
(Vdd)
(Vdd)
(LCD5)
(LCD6)
(K2)
(K3)
(K1)
(KO)
(DK)
D618∼625
1SS133
R809
39 1/2
DIMMER
CONTROL
(IGN)
R654
(DK)
R805
10K
R804
10K
E802
22/16
Q801
DTC124K
R807
15-1/2
-MF
Q802
2SD1225M
D622
D623
D624
D625
S601
(VR203)
DX
R655
ZD607
D618
D619
D620
D621
K3
K2
K1
K0
11
10
9
8
LCD
COM1
COM2
LCD 0∼ LCD26
GND
IGN
LMP
DIM
To Front P.C.Board

	E	C	B	MODE
Q601	0V	3.74V	0.58V	
Q602	0.58V	9.15V	0.96V	
Q603	0V	0.3V	0.3V/4.8V	MW/LW
Q604	0V	0V	0V/3.7V	MW/FM
Q607	0V	0V	4.7V/0V	R.MONI ON/OFF
Q608	0V	8.9V/0V	0V/4.8V	MUTE ON/OFF
Q609	0V	/0.25V	4.8V/	AME ON/OFF
Q616	0V/0V	0V	1.83V/0V	GT MUTE ON/OFF
Q617	0V/0V	0V	1.83V/0V	GT MUTE ON/OFF
Q618	0V/0V	9.8V/4.8V	0V/4.8V	PAUSE ON/OFF
Q801	0V	0V/0V	9.8V/0.7V	DIMMER ON/OFF
Q802	0V	2.4V/0V	0V/0.7V	DIMMER ON/OFF
Q803	9.86V	14V	10.46V	
Q804	5.54V	13.62V	6.2V	
Q805	0V	0.1V	3.42V	
Q806	14V	14V	13.7V	
Q807	0V	0V	9.5V	
Q808	14V	14V	13.2V	
Q809	0V	8.9V	4.9V/0V	T/R
Q810	0V	8.5V/0V	0V/4.8V	FM/MW
Q811	8.5V/8.5V	1.8V/8.49V	8.5V/7.81V	FM/MW
Q813	8.56V	14V	9.13V	
Q814	8.56V/8.56V	8.47V/0V	7.89V/8.49V	FM/MW

IC601

1	PS
2	PS
3	PS
4	0V
5	0V
6	5.2V
7	0V
8	PS
9	PS
10	PS
11	PS
12	5.6V
13	5.5V
14	5.5V

IC602

1	PS
2	PS
3	PS
4	PS
5	5V
6	5V
7	0V
8	PS
9	PS
10	PS
11	PS
12	5.6V
13	5V
14	5.6V

IC603

1	NC		17	5.77V		33	PS		49	PS	
2	1V		18	4.78V		34	PS		50	PS	
3	NC		19	4.78V		35	PS		51	PS	
4	4.8V		20	4.8V/0V	MO/ST	36	PS		52	PS	
5	NC		21	4.7V/0V	LO/DX	37	PS		53	PS	
6	2V		22	4.8V/0V	AME ON/OFF	38	PS		54	PS	
7	5.1V		23	0V/4.9V	DOLBY ON/OFF	39	PS		55	PS	
8	4.8V		24	2.64V		40	PS		56	PS	
9	0V/4.75V	FM/MW	25	2.56V		41	PS		57	PS	
10	0V/4.75V	LW ON/OFF	26	0V		42	PS		58	0V	
11	4.7V/0V	R.MONI ON/OFF	27	NC		43	PS		59	PS	
12	NC		28	PS		44	PS		60	PS	
13	0V/4.76V	LOUD ON/OFF	29	PS		45	PS		61	PS	
14	0V		30	PS		46	PS		62	PS	
15	4.75V		31	PS		47	PS		63	3.5V	
16	5.6V		32	PS		48	PS		64	0V	

※

REF. NO.	7292M	7292L
Q607	×	DTC124K
Q609	DTC124K	×
Q809	×	DTC124K
R635	10K	×
R636	100K	×
R654	47K	×
R655	82K	×
R670	×	100K
D627	1SS133	×
ZD607	×	MTZJ5.1A
BPF601	JUMPER	BPF10828K
E630	×	1/50

7292M only : For 7292M model only
7292L only : For 7292L model only

[Measuring Conditions]
- Power Supply Voltage : DC14V
- Measuring Meter : Digital Multi Voltmeter
- Measuring Point Reference : Between Ground
- Measuring Conditions : No Signal Input
  MW : 999kHz
  LW : 218kHz
  FM : 98.1MHz
  TAPE : Blank Tape

NOTES:
1. All resistance values are in ohms. K = 1,000
2. All capacitance values are in microfarads. P = $\frac{1}{1,000,000}$

Schematic Diagram (2/3)

IC		IC201	IC701	IC202			IC702				IC203 IC204				
Transistor (Q)	Q605 Q606		Q701	Q702 Q703 Q705	Q706	Q704	Q201	Q202 Q203	Q204 Q205	Q815		Q611 Q610	Q613 Q614 Q615	Q207 Q206 Q612	

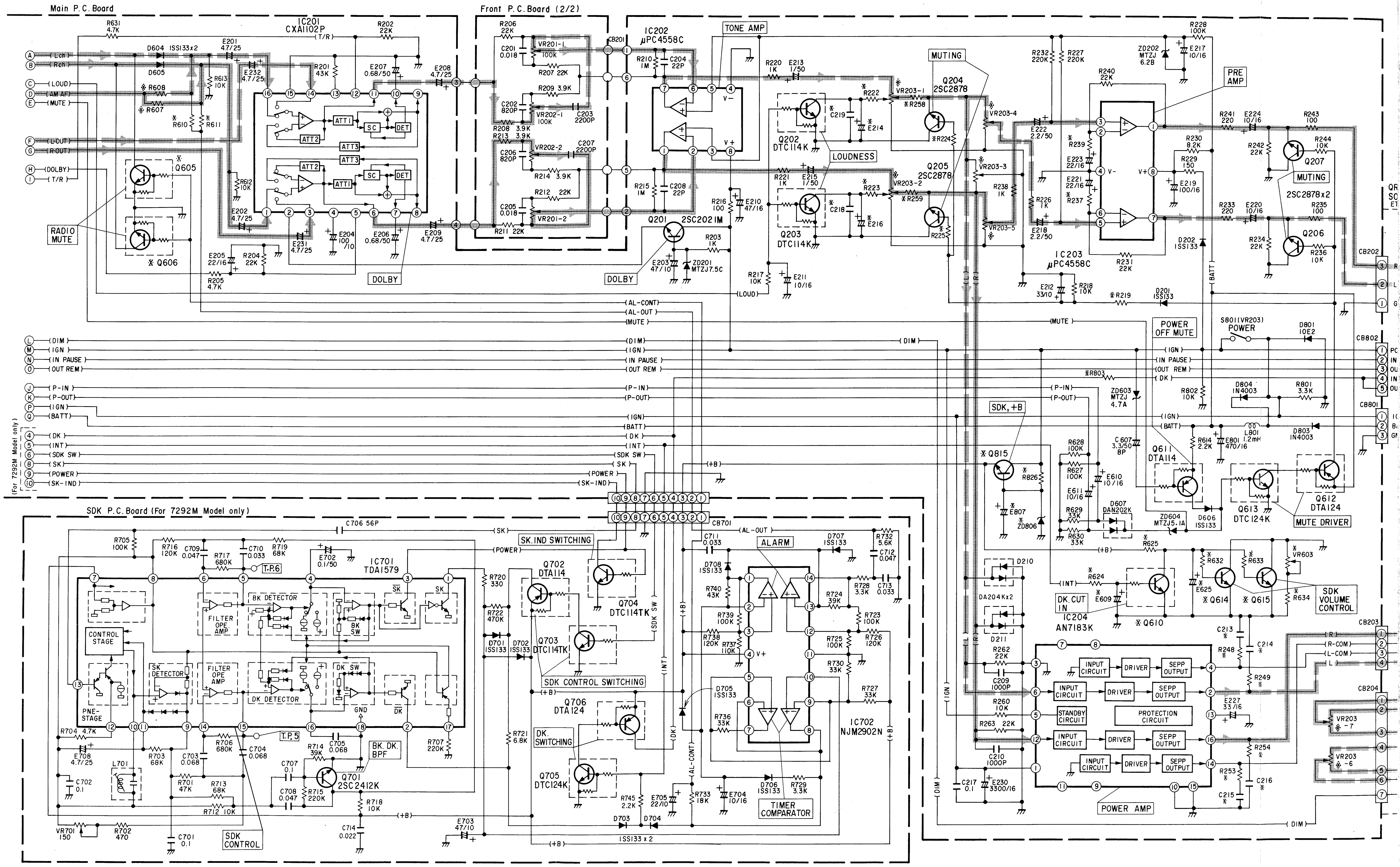
1

2

3

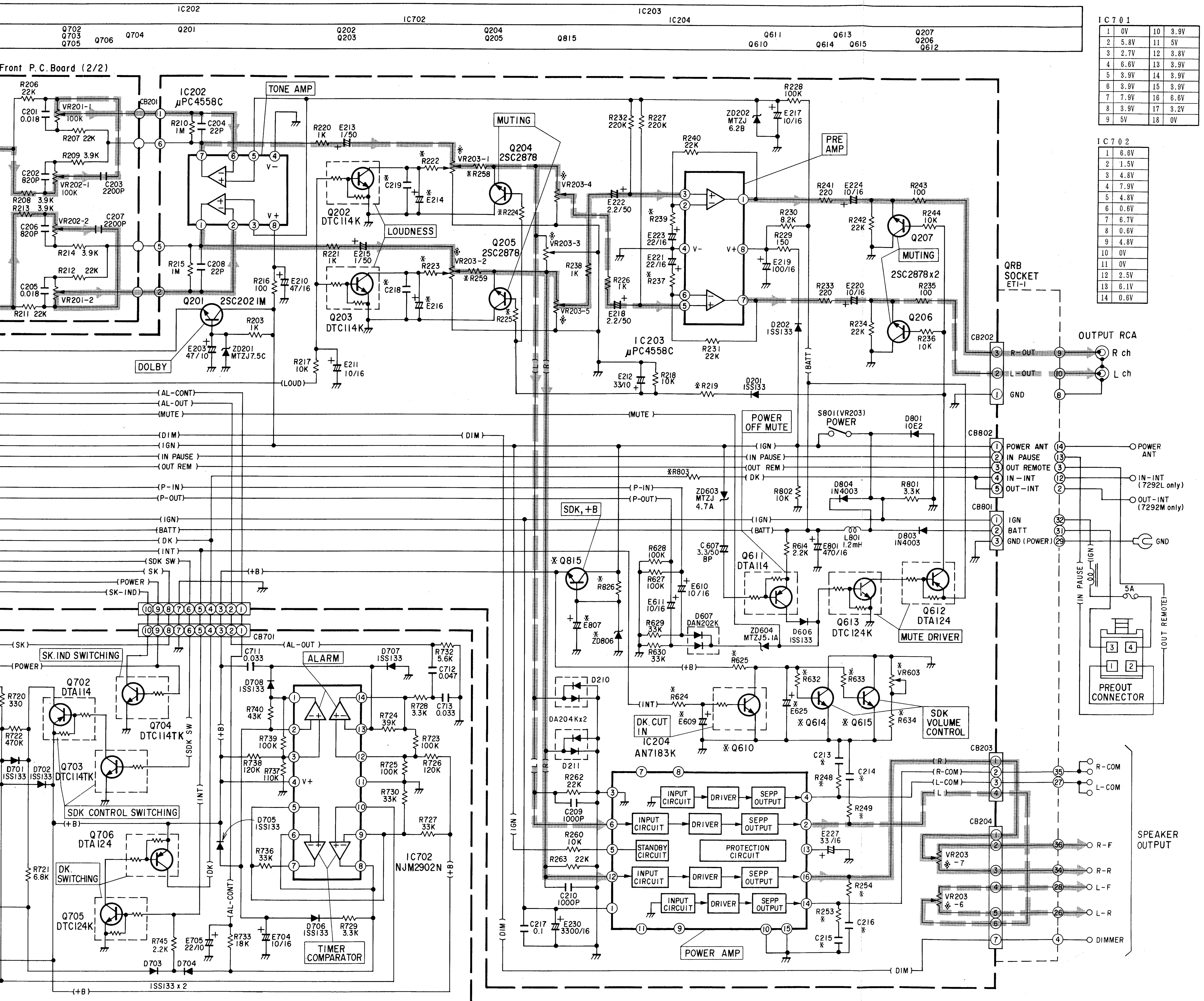
4

5



Main P.C. Board
Front P.C. Board (2/2)
SDK P.C. Board (For 7292M Model only)
(For 7292M Model only)
IC201 CXA1102P
IC202 μPC4558C
IC203 μPC4558C
IC204 AN7183K
IC701 TDA1579
IC702 NJM2902N
TONE AMP
MUTING
PRE AMP
LOUDNESS
DOLBY
RADIO MUTE
POWER OFF MUTE
S801(VR203) POWER
SDK, +B
MUTE DRIVER
SDK VOLUME CONTROL
DK. CUT IN
POWER AMP
PROTECTION CIRCUIT
STANDBY CIRCUIT
INPUT CIRCUIT
DRIVER
SEPP OUTPUT
ALARM
TIMER COMPARATOR
SK.IND SWITCHING
SDK CONTROL SWITCHING
DK. SWITCHING
SDK CONTROL
BK. DK. BPF
CONTROL STAGE
SK DETECTOR
PNE-STAGE
FILTER OPE AMP
BK DETECTOR
DK DETECTOR
BK SW
DK SW
ATT1
ATT2
ATT3
SC
DET
T.P.6
T.P.5
GND
A (Lch)
B (Rch)
C (LOUD)
D (AM AF)
E (MUTE)
F (L-OUT)
G (R-OUT)
H (DOLBY)
I (T/R)
L (DIM)
M (IGN)
N (IN PAUSE)
O (OUT REM)
J (P-IN)
K (P-OUT)
P (IGN)
Q (BATT)
4 (DK)
5 (INT)
6 (SDK SW)
7 (SK)
8 (POWER)
9 (SK-IND)
(AL-CONT)
(AL-OUT)
(MUTE)
(+B)
(BATT)
CB201
CB202
CB203
CB204
CB701
CB801
CB802
Q605
※ Q606
Q201 2SC2021M
Q202 DTC114K
Q203 DTC114K
Q204 2SC2878
Q205 2SC2878
Q206
Q207
2SC2878x2
Q610
Q611 DTA114
Q612 DTA124
Q613 DTC124K
※ Q614
※ Q615
※ Q815
Q701 2SC2412K
Q702 DTA114
Q703 DTC114TK
Q704 DTC114TK
Q705 DTC124K
Q706 DTA124
D604 1SS133x2
D605
D201 1SS133
D202 1SS133
D210
D211
DA204Kx2
D606 1SS133
D607 DAN202K
D701 1SS133
D702 1SS133
D703
D704
1SS133 x 2
D705 1SS133
D706 1SS133
D707 1SS133
D708 1SS133
D801 10E2
D803 1N4003
D804 1N4003
ZD201 MTZJ7.5C
ZD202 MTZJ 6.2B
ZD603 MTZJ 4.7A
ZD604 MTZJ5.1A
※ ZD806
L701
L801 1.2mH
VR201-1 100K
VR201-2
VR202-1 100K
VR202-2
VR203-1
VR203-2
VR203-3
VR203-4
VR203-5
VR203 ※-7
VR203 ※-6
VR603
VR701 150
R631 4.7K
R202 22K
R201 43K
R613 10K
※ R608
※ R607
※ R610
※ R611
※ R612 10K
R204 22K
R205 4.7K
R206 22K
R207 22K
R208 3.9K
R209 3.9K
R211 22K
R212 22K
R213 3.9K
R214 3.9K
R210 1M
R215 1M
R216 100
R217 10K
R203 1K
R220 1K
R221 1K
※ R222
※ R223
※ R224
※ R225
R226 1K
R227 220K
R228 100K
R230 8.2K
R229 150
R231 22K
R232 220K
R233 220
R234 22K
R235 100
R236 10K
R238 1K
※ R237
※ R239
R240 22K
R241 220
R242 22K
R243 100
R244 10K
R218 10K
※ R219
※ R258
※ R259
※ R248
R249 ※
R253 ※
R254 ※
R260 10K
R262 22K
R263 22K
R614 2.2K
R624
R625
R627 100K
R628 100K
R629 33K
R630 33K
※ R632
※ R633
※ R634
R801 3.3K
R802 10K
※ R803
※ R826
R702 470
R703 68K
R704 4.7K
R705 100K
R706 680K
R707 220K
R712 10K
R713 68K
R714 39K
R715 220K
R716 120K
R717 680K
R718 10K
R719 68K
R720 330
R721 6.8K
R722 470K
R723 100K
R724 39K
R725 100K
R726 120K
R727 33K
R728 3.3K
R729 3.3K
R730 33K
R732 5.6K
R733 18K
R736 33K
R737 110K
R738 120K
R739 100K
R740 43K
R745 2.2K
C201 0.018
C202 820P
C203 2200P
C204 22P
C205 0.018
C206 820P
C207 2200P
C208 22P
C209 1000P
C210 1000P
C213 ※
C214 ※
C215 ※
C216 ※
C217 0.1
※ C219
※ C218
C607 3.3/50 BP
C701 0.1
C702 0.1
C703 0.068
C704 0.068
C705 0.068
C706 56P
C707 0.1
C708 0.047
C709 0.047
C710 0.033
C711 0.033
C712 0.047
C713 0.033
C714 0.022
E201 4.7/25
E202 4.7/25
E203 47/10
E204 100/10
E205 22/16
E206 0.68/50
E207 0.68/50
E208 4.7/25
E209 4.7/25
E210 47/16
E211 10/16
E212 33/10
E213 1/50
E215 1/50
E214
E216
E217 10/16
E218 2.2/50
E219 100/16
E220 10/16
E221 22/16
E222 2.2/50
E223 22/16
E224 10/16
E227 33/16
E230 3300/16
E231 4.7/25
E232 4.7/25
E609
E610 10/16
E611 10/16
E625
E702 0.1/50
E703 47/10
E704 10/16
E705 22/10
E708 4.7/25
※ E807
E801 470/16
(L)
(R)
(R-COM)
(L-COM)
(DIM)
(IGN)
(BATT)
(INT)
(DK)
(SK SW)
(LOUD)

A | B | C | D | E | F | G | H |


IC202
IC702
IC203
IC204
Q702 Q703 Q705
Q706
Q704
Q201
Q202 Q203
Q204 Q205
Q815
Q611 Q610
Q613 Q614 Q615
Q207 Q206 Q612
Front P.C. Board (2/2)
IC202 μPC4558C
TONE AMP
MUTING
Q204 2SC2878
Q202 DTC114K
LOUDNESS
Q205 2SC2878
Q203 DTC114K
Q201 2SC2021M
DOLBY
PRE AMP
IC203 μPC4558C
Q207
MUTING
2SC2878x2
Q206
QRB SOCKET ET1-1
OUTPUT RCA
R ch
L ch
R-OUT
L-OUT
GND
POWER OFF MUTE
S801(VR203) POWER
POWER ANT
IN PAUSE
OUT REMOTE
IN-INT
OUT-INT
IN-INT (7292L only)
OUT-INT (7292M only)
IGN
BATT
GND (POWER)
GND
SDK,+B
Q815
Q611 DTA114
Q613 DTC124K
Q612 DTA124
MUTE DRIVER
PREOUT CONNECTOR
5A
SDK VOLUME CONTROL
Q614
Q615
DK.CUT IN
IC204 AN7183K
Q610
DA204Kx2
INPUT CIRCUIT
DRIVER
SEPP OUTPUT
STANDBY CIRCUIT
PROTECTION CIRCUIT
POWER AMP
R-COM
L-COM
SPEAKER OUTPUT
R-F
R-R
L-F
L-R
DIMMER
SK.IND SWITCHING
Q702 DTA114
Q704 DTC114TK
Q703 DTC114TK
SDK CONTROL SWITCHING
Q706 DTA124
DK. SWITCHING
Q705 DTC124K
ALARM
IC702 NJM2902N
TIMER COMPARATOR
CB201
CB202
CB701
CB801
CB802
CB203
CB204

1	0V	10	3.9V
2	5.8V	11	5V
3	2.7V	12	3.8V
4	6.6V	13	3.9V
5	3.9V	14	3.9V
6	3.9V	15	3.9V
7	7.9V	16	6.6V
8	3.9V	17	3.2V
9	5V	18	0V

IC702

1	6.6V
2	1.5V
3	4.8V
4	7.9V
5	4.8V
6	0.6V
7	6.7V
8	0.6V
9	4.8V
10	0V
11	0V
12	2.5V
13	6.1V
14	0.6V

	E	C	B	MODE
Q201	6.78V	14V	7.4V	
Q202	0V	10.2V	2V/0V	LOUD ON/OFF
Q203	0V	10.2V	0V/2V	LOUD ON/OFF
Q204	0V	0V	0.6V/0V	MUTE ON/OFF
Q205	0V	0V	0.6V/0V	MUTE ON/OFF
Q206	0V	0V	0.6V/0V	MUTE ON/OFF
Q207	0V	0V	0.6V/0V	MUTE ON/OFF
Q605	0V	1.2V	0.37V	
Q606	0V	1.2V	0.37V	
Q610	0V	0V/5.8V	2V/0.25V	DK ON/OFF
Q611	13.6V	0V	13.6V	
Q612	13.6V	13.5V/0V	0V/13.6V	MUTE ON/OFF
Q613	0V	0V/13.6V	8V/0V	MUTE ON/OFF
Q614	0V	0V	0V/0.7V	SDK ON/OFF
Q615	0V	0V	0V/0.7V	SDK ON/OFF
Q701	0V	4.56V	0.62V	
Q702	7.97V	7.95V	0V	
Q703	0V	0V	4.74V	
Q704	0V	4.73V	2.97V	
Q705	0V	0V	4.61V	
Q706	7.97V	7.96V	0V	
Q815	8V	14V	8.6V	

IC201

1	3.4V	
2	6.8V	
3	3.4V	
4	3.4V	
5	0V/4V	DOLBY ON/OFF
6	3.5V	
7	0.4V	
8	3.5V	
9	3.5V	
10	0.4V	
11	3.5V	
12	4V	
13	1.2V	
14	3.4V	
15	0V	
16	3.4V	

IC202

1	6.05V
2	6.05V
3	6.05V
4	0V
5	6.05V
6	6.05V
7	6.05V
8	13.8V

IC203

1	6.07V
2	6.07V
3	6.07V
4	0V
5	6.07V
6	6.07V
7	6.07V
8	12.8V

IC204

1	14.1V
2	6.98V
3	0V
4	6.97V
5	7.76V
6	0V
7	6.3V
8	6.3V
9	6.3V
10	0V
11	6.2V
12	0V
13	14V
14	6.9V
15	0V
16	6.9V

※

REF. NO.	7292M	7292L
Q605/Q606	DTC144W	×
Q610	DTC114TK	×
Q614/Q615	2SC2878	×
Q815	2SD1228M	×
R219	10K	8.2K
R222/R223	5.6K	2.2K
R224/R225	2.2K	10K
R237/R239	3.3K	2.2K
R248/R249	1	2.2
R253/R254	1	2.2
R258/R259	910	220
R607/R608	36K	4.7K
R610/R611	330K	×
R624	22K	×
R625	2.2K	×
R632/R633	2.2K	×
R634	680	×
R803	470-1/4	10K
R826	1K	×
VR203	100K	20K
VR603	4.7K	×
ZD806	MTZJ9.1B	×
C213~C216	0.68	0.33
C218/C219	0.033	×
E214/E216	×	0.1/50
E609	22/6.3	×
E625	47/10	×
E807	47/10	×

7292M only : For 7292M model only
7292L only : For 7292L model only

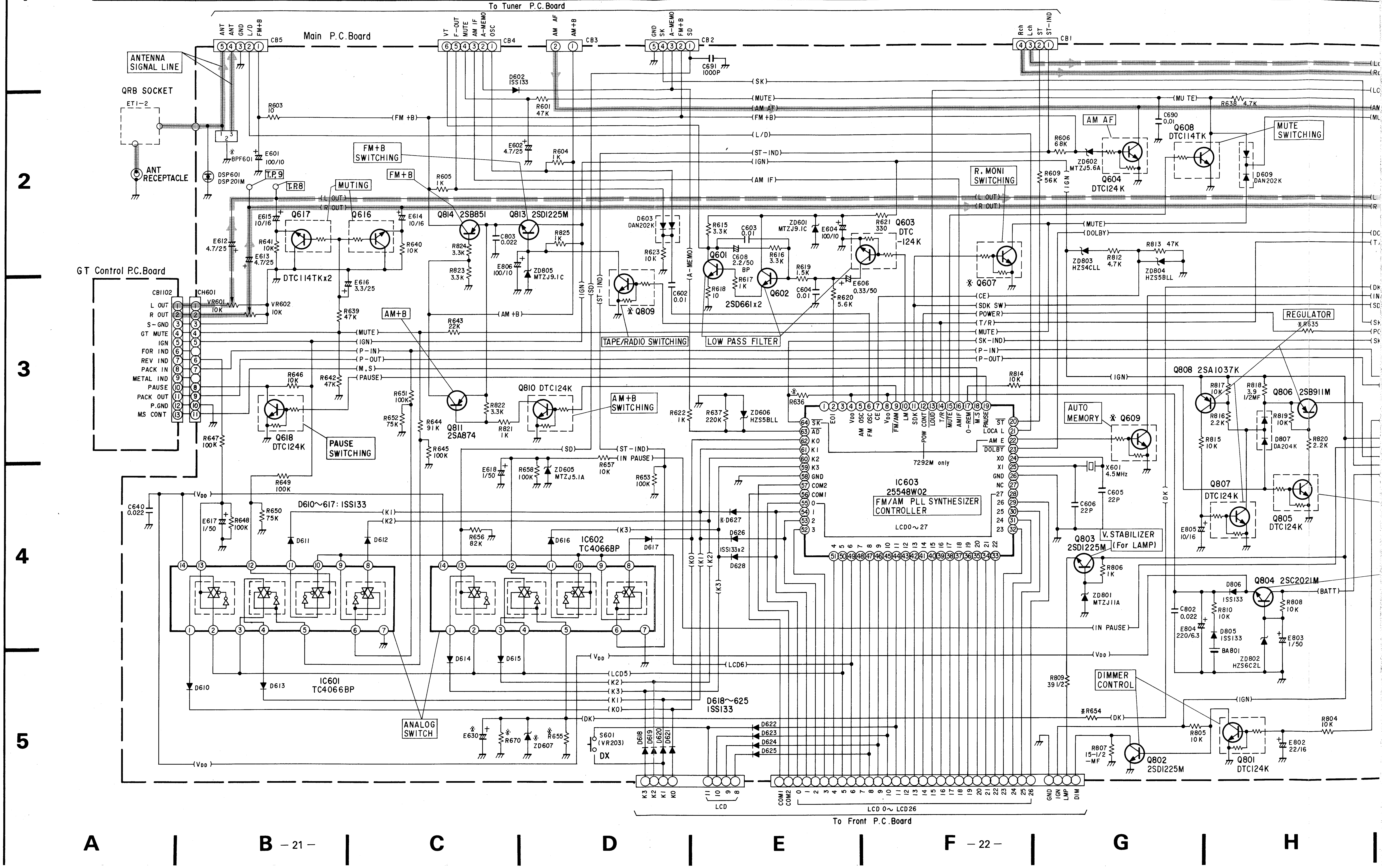
[Measuring Conditions]
- Power Supply Voltage : DC14V
- Measuring Meter : Digital Multi Voltmeter
- Measuring Point Reference : Between Ground
- Measuring Conditions : No Signal Input
  MW : 999kHz
  LW : 218kHz
  FM : 98.1MHz
  TAPE : Blank Tape

NOTES:

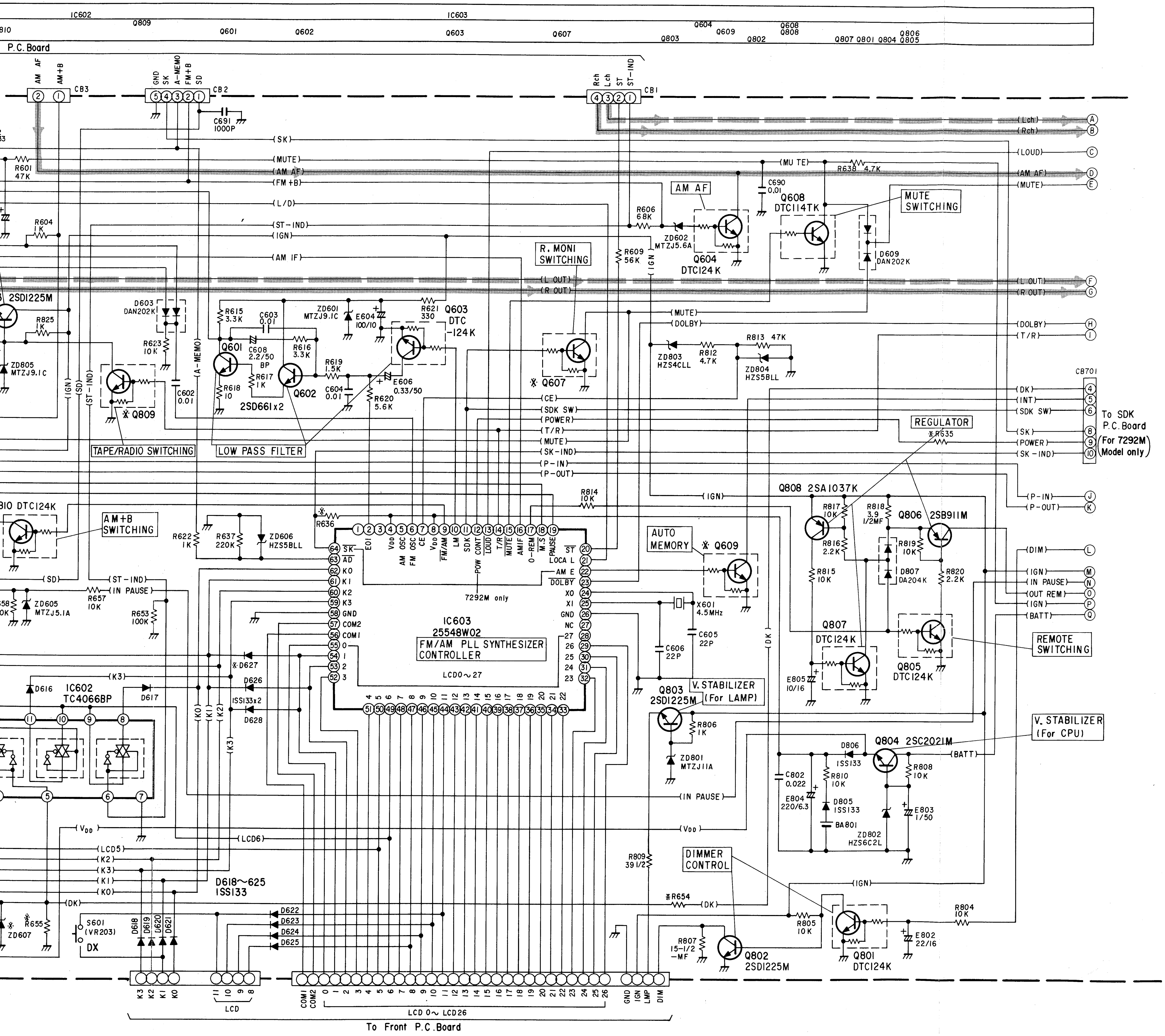
1. All resistance values are in ohms. K = 1,000
2. All capacitance values are in microfarads. P = $\frac{1}{1,000,000}$

Schematic Diagram (1/3)

IC	IC601 IC602 IC603
Transistor (Q)	Q617 Q618 Q616 Q814 Q811 Q813 Q810 Q809 Q601 Q602 Q603 Q607 Q803 Q604 Q609 Q802 Q608 Q808 Q807 Q801 Q804 Q806 Q805



To Tuner P.C.Board
Main P.C.Board
CB5
ANT ANT GND L/D FM+B
CB4
VT F-OUT MUTE AM IF A-MEMO OSC
CB3
AM AF AM+B
CB2
GND SK A-MEMO FM+B SD
CB1
Rch Lch ST ST-IND
ANTENNA SIGNAL LINE
QRB SOCKET
ET1-2
ANT RECEPTACLE
BPF601
DSP601 DSP201M
T.P.9
T.P.8
FM+B SWITCHING
FM+B
MUTING
Q617
Q616
DTC114TKx2
Q814 2SB851
Q813 2SD1225M
D602 1SS133
R601 47K
E602 4.7/25
R604 1K
R603 10
E601 100/10
R605 1K
E615 10/16
E614 10/16
E612 4.7/25
E613 4.7/25
R641 10K
R640 10K
E616 3.3/25
R639 47K
VR601 10K
VR602 10K
C803 0.022
R824 3.3K
R823 3.3K
E806 100/10
ZD805 MTZJ9.1C
R825 1K
C691 1000P
D603 DAN202K
R623 10K
Q809
TAPE/RADIO SWITCHING
C602 0.01
R615 3.3K
C603 0.01
C608 2.2/50 BP
R616 3.3K
Q601
Q602
R618 10
R617 1K
2SD661x2
LOW PASS FILTER
ZD601 MTZJ9.1C
E604 100/10
R621 330
Q603 DTC-124K
R619 1.5K
C604 0.01
R620 5.6K
E606 0.33/50
R.MONI SWITCHING
Q607
AM AF
Q604 DTC124K
ZD602 MTZJ5.6A
R606 68K
R609 56K
Q608 DTC114TK
C690 0.01
R638 4.7K
MUTE SWITCHING
D609 DAN202K
ZD803 HZS4CLL
R812 4.7K
R813 47K
ZD804 HZS5BLL
REGULATOR
R635
GT Control P.C.Board
CB1102
CH601
L OUT
R OUT
S-GND
GT MUTE
IGN
FOR IND
REV IND
PACK IN
METAL IND
PAUSE
PACK OUT
P.GND
MS CONT
AM+B
R643 22K
R642 47K
R646 10K
Q618 DTC124K
PAUSE SWITCHING
R647 100K
Q811 2SA874
R651 100K
R652 75K
R644 91K
R645 100K
R822 3.3K
Q810 DTC124K
R821 1K
AM+B SWITCHING
R622 1K
R637 220K
ZD606 HZS5BLL
R636
R814 10K
IC603 25548W02 FM/AM PLL SYNTHESIZER CONTROLLER
SK AD K0 K1 K2 K3 GND COM2 COM1
E01 VDD OSC AM OSC FM CE VDD FM/AM LM SDK POW CONT LOUD T/R MUTE AMIF O-REM M.S PAUSE
ST LOCA L AM E DOLBY XO XI GND NC
7292M only
LCD0~27
X601 4.5MHz
C605 22P
C606 22P
AUTO MEMORY
Q609
Q808 2SA1037K
R817 10K
R818 3.9 1/2MF
Q806 2SB911M
R816 2.2K
R819 10K
R820 2.2K
R815 10K
D807 DA204K
Q807 DTC124K
Q805 DTC124K
E805 10/16
Q803 2SD1225M
V.STABILIZER (For LAMP)
R806 1K
ZD801 MTZJ11A
Q804 2SC2021M
D806 1SS133
R810 10K
R808 10K
C802 0.022
E804 220/6.3
D805 1SS133
BA801
E803 1/50
ZD802 HZS6C2L
C640 0.022
E617 1/50
R648 100K
R650 75K
R649 100K
D610~617: 1SS133
D611
D612
R656 82K
D616
IC602 TC4066BP
D617
D627
D626
1SS133x2
D628
E618 1/50
R658 100K
ZD605 MTZJ5.1A
R657 10K
R653 100K
IC601 TC4066BP
D610
D613
D614
D615
ANALOG SWITCH
E630
R670
ZD607
R655
S601 (VR203) DX
D618 D619 D620 D621
D618~625 1SS133
D622 D623 D624 D625
R809 39 1/2
R654
DIMMER CONTROL
R807 15-1/2 -MF
Q802 2SD1225M
R805 10K
Q801 DTC124K
R804 10K
E802 22/16
(SK) (MUTE) (AM AF) (FM+B) (L/D) (ST-IND) (IGN) (AM IF) (L OUT) (R OUT) (DOLBY) (CE) (SDK SW) (POWER) (T/R) (SK-IND) (P-IN) (P-OUT) (M.S) (PAUSE) (SD) (IN PAUSE) (VDD) (K1) (K2) (K3) (K0) (LCD5) (LCD6) (DK) (BATT) (A-MEMO)
K3 K2 K1 K0
11 10 9 8
LCD
COM1 COM2 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26
LCD 0~LCD26
GND IGN LMP DIM
To Front P.C.Board
1 2 3 4 5
A B C D E F G H


IC602
Q809
Q601
Q602
IC603
Q603
Q607
Q803
Q604
Q609
Q802
Q608
Q808
Q807 Q801 Q804
Q806
Q805
P.C. Board
AM AF
AM+B
CB3
GND
SK
A-MEMO
FM+B
SD
CB2
C691 1000P
Rch
Lch
ST
ST-IND
CB1
(SK)
(MUTE)
(AM AF)
(FM+B)
(L/D)
(ST-IND)
(IGN)
(AM IF)
(L OUT)
(R OUT)
(Lch)
(Rch)
(LOUD)
(MUTE)
R601 47K
R604 1K
2SD1225M
R825 1K
ZD805 MTZJ9.1C
D603 DAN202K
R623 10K
C602 0.01
TAPE/RADIO SWITCHING
※ Q809
R615 3.3K
C603 0.01
Q601
C608 2.2/50 BP
R616 3.3K
R618 10
R617 1K
Q602
2SD661x2
LOW PASS FILTER
ZD601 MTZJ9.1C
E604 100/10
R619 1.5K
C604 0.01
R620 5.6K
E606 0.33/50
R621 330
Q603 DTC-124K
R. MONI SWITCHING
※ Q607
AM AF
R606 68K
ZD602 MTZJ5.6A
Q604 DTC124K
R609 56K
Q608 DTC114TK
R638 4.7K
C690 0.01
MUTE SWITCHING
D609 DAN202K
(MUTE)
(DOLBY)
ZD803 HZS4CLL
R812 4.7K
R813 47K
ZD804 HZS5BLL
(DOLBY)
(T/R)
(CE)
(SDK SW)
(POWER)
(T/R)
(MUTE)
(SK-IND)
(P-IN)
(P-OUT)
CB701
(DK)
(INT)
(SDK SW)
(SK)
(POWER)
(SK-IND)
To SDK P.C.Board (For 7292M Model only)
REGULATOR
※R635
Q808 2SA1037K
R817 10K
R818 3.9 1/2MF
Q806 2SB911M
R816 2.2K
R819 10K
D807 DA204K
R815 10K
R820 2.2K
(P-IN)
(P-OUT)
(DIM)
(IGN)
(IN PAUSE)
(OUT REM)
(IGN)
(BATT)
Q807 DTC124K
E805 10/16
Q805 DTC124K
REMOTE SWITCHING
R814 10K
※ R636
R622 1K
R637 220K
ZD606 HZS5BLL
AM+B SWITCHING
810 DTC124K
AUTO MEMORY
※ Q609
SK
AD
K0
K1
K2
K3
GND
COM2
COM1
EO1
VDD
AM OSC
FM OSC
CE
VDD
FM/AM
LM
SDK
POW CONT
LOUD
T/R
MUTE
AMIF
O-REM
M/S
PAUSE
ST
LOCA L
AM E
DOLBY
XO
XI
GND
NC
7292M only
IC603 25548W02 FM/AM PLL SYNTHESIZER CONTROLLER
LCD0～27
X601 4.5MHz
C605 22P
C606 22P
Q803 2SD1225M
V. STABILIZER (For LAMP)
R806 1K
ZD801 MTZJ11A
V. STABILIZER (For CPU)
Q804 2SC2021M
D806 1SS133
R810 10K
R808 10K
D805 1SS133
BA801
ZD802 HZS6C2L
E803 1/50
C802 0.022
E804 220/6.3
(BATT)
(IN PAUSE)
(VDD)
(SD)
(ST-IND)
(IN PAUSE)
R657 10K
R653 100K
ZD605 MTZJ5.1A
※D627
D626
1SS133x2
D628
D616
IC602 TC4066BP
D617
(K3)
(K0)
(K1)
(K2)
(K3)
(VDD)
(LCD6)
(LCD5)
(K2)
(K3)
(K1)
(K0)
(DK)
D618～625 1SS133
S601 (VR203) DX
※ R655
※ ZD607
D618
D619
D620
D621
D622
D623
D624
D625
R809 39 1/2
DIMMER CONTROL
※R654
(DK)
(IGN)
R807 15-1/2 -MF
Q802 2SD1225M
R805 10K
Q801 DTC124K
R804 10K
E802 22/16
K3 K2 K1 K0
11 10 9 8
LCD
COM1 COM2
LCD 0～ LCD26
GND IGN LMP DIM
To Front P.C.Board

	E	C	B	MODE
Q601	0V	3.74V	0.58V	
Q602	0.58V	9.15V	0.96V	
Q603	0V	0.3V	0.3V/4.8V	MW/LW
Q604	0V	0V	0V/3.7V	MW/FM
Q607	0V	0V	4.7V/0V	R.MONI ON/OFF
Q608	0V	8.9V/0V	0V/4.8V	MUTE ON/OFF
Q609	0V	/0.25V	4.8V/	AME ON/OFF
Q616	0V/0V	0V	1.83V/0V	GT MUTE ON/OFF
Q617	0V/0V	0V	1.83V/0V	GT MUTE ON/OFF
Q618	0V/0V	9.8V/4.8V	0V/4.8V	PAUSE ON/OFF
Q801	0V	0V/0V	9.8V/0.7V	DIMMER ON/OFF
Q802	0V	2.4V/0V	0V/0.7V	DIMMER ON/OFF
Q803	9.86V	14V	10.46V	
Q804	5.54V	13.62V	6.2V	
Q805	0V	0.1V	3.42V	
Q806	14V	14V	13.7V	
Q807	0V	0V	9.5V	
Q808	14V	14V	13.2V	
Q809	0V	8.9V	4.9V/0V	T/R
Q810	0V	8.5V/0V	0V/4.8V	FM/MW
Q811	8.5V/8.5V	1.8V/8.49V	8.5V/7.81V	FM/MW
Q813	8.56V	14V	9.13V	
Q814	8.56V/8.56V	8.47V/0V	7.89V/8.49V	FM/MW

IC601

1	PS
2	PS
3	PS
4	0V
5	0V
6	5.2V
7	0V
8	PS
9	PS
10	PS
11	PS
12	5.6V
13	5.5V
14	5.5V

IC602

1	PS
2	PS
3	PS
4	PS
5	5V
6	5V
7	0V
8	PS
9	PS
10	PS
11	PS
12	5.6V
13	5V
14	5.6V

IC603

1	NC		17	5.77V		33	PS		49	PS	
2	1V		18	4.78V		34	PS		50	PS	
3	NC		19	4.78V		35	PS		51	PS	
4	4.8V		20	4.8V/0V	MO/ST	36	PS		52	PS	
5	NC		21	4.7V/0V	LO/DX	37	PS		53	PS	
6	2V		22	4.8V/0V	AME ON/OFF	38	PS		54	PS	
7	5.1V		23	0V/4.9V	DOLBY ON/OFF	39	PS		55	PS	
8	4.8V		24	2.64V		40	PS		56	PS	
9	0V/4.75V	FM/MW	25	2.56V		41	PS		57	PS	
10	0V/4.75V	LW ON/OFF	26	0V		42	PS		58	0V	
11	4.7V/0V	R.MONI ON/OFF	27	NC		43	PS		59	PS	
12	NC		28	PS		44	PS		60	PS	
13	0V/4.76V	LOUD ON/OFF	29	PS		45	PS		61	PS	
14	0V		30	PS		46	PS		62	PS	
15	4.75V		31	PS		47	PS		63	3.5V	
16	5.6V		32	PS		48	PS		64	0V	

※

REF. NO.	7292M	7292L
Q607	×	DTC124K
Q609	DTC124K	×
Q809	×	DTC124K
R635	10K	×
R636	100K	×
R654	47K	×
R655	82K	×
R670	×	100K
D627	1SS133	×
ZD607	×	MTZJ5.1A
BPF601	JUMPER	BPF10828K
E630	×	1/50

7292M only : For 7292M model only
7292L only : For 7292L model only

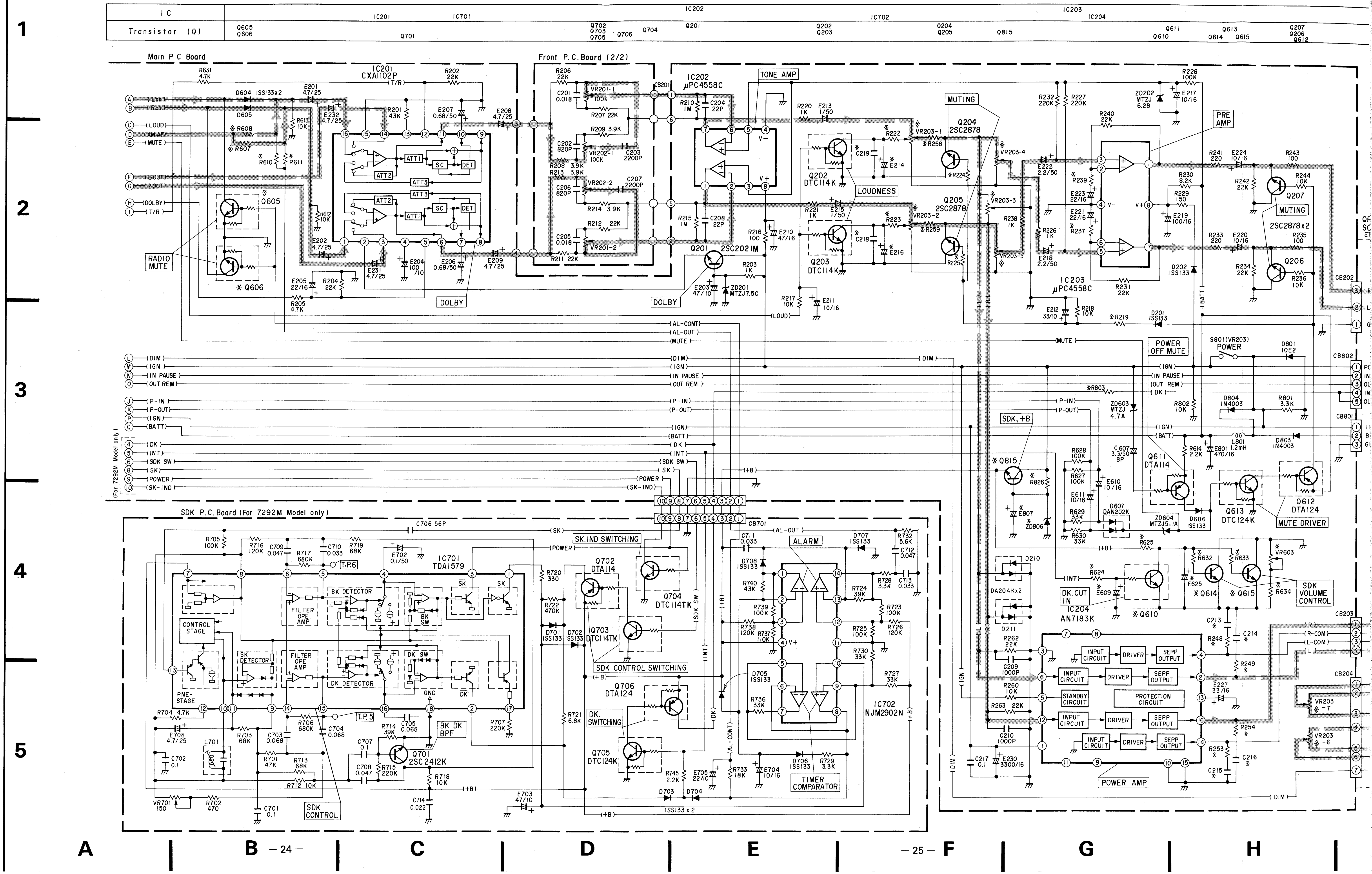
[Measuring Conditions]

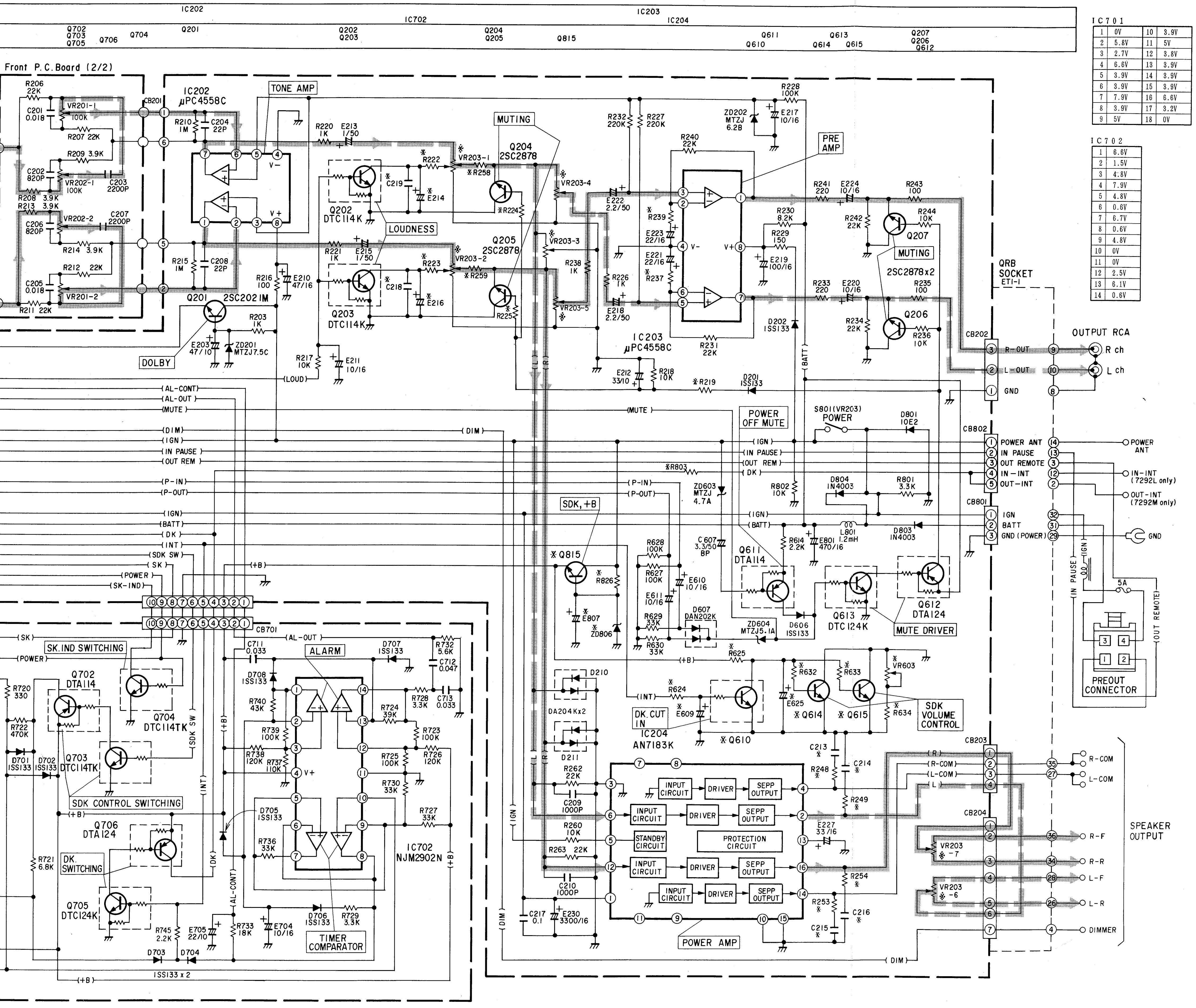
- Power Supply Voltage : DC14V
- Measuring Meter : Digital Multi Voltmeter
- Measuring Point Reference : Between Ground
- Measuring Conditions : No Signal Input
  MW : 999kHz
  LW : 218kHz
  FM : 98.1MHz
  TAPE : Blank Tape

NOTES:

1. All resistance values are in ohms. K = 1,000
2. All capacitance values are in microfarads. $P = \frac{1}{1,000,000}$

Schematic Diagram (2/3)


IC
Transistor (Q)
IC201
IC701
IC202
IC702
IC203
IC204
Q605 Q606
Q701
Q702 Q703 Q705
Q706
Q704
Q201
Q202 Q203
Q204 Q205
Q815
Q611 Q610
Q613 Q614 Q615
Q207 Q206 Q612
Main P.C. Board
Front P.C. Board (2/2)
IC201 CXA1102P
IC202 μPC4558C
TONE AMP
MUTING
Q204 2SC2878
Q205 2SC2878
Q202 DTC114K
Q203 DTC114K
LOUDNESS
PRE AMP
Q207
Q206
MUTING
2SC2878x2
IC203 μPC4558C
Q201 2SC2021M
DOLBY
RADIO MUTE
Q605
Q606
ATT1
ATT2
ATT3
SC
DET
(Lch)
(Rch)
(LOUD)
(AM AF)
(MUTE)
(L-OUT)
(R-OUT)
(DOLBY)
(T/R)
(DIM)
(IGN)
(IN PAUSE)
(OUT REM)
(P-IN)
(P-OUT)
(BATT)
(DK)
(INT)
(SDK SW)
(SK)
(POWER)
(SK-IND)
(AL-CONT)
(AL-OUT)
(For 7292M Model only)
SDK P.C. Board (For 7292M Model only)
IC701 TDA1579
CONTROL STAGE
PNE-STAGE
SK DETECTOR
FILTER OPE AMP
BK DETECTOR
DK DETECTOR
BK SW
DK SW
T.P.6
T.P.5
BK.DK. BPF
SDK CONTROL
Q701 2SC2412K
SK.IND SWITCHING
Q702 DTA114
Q703 DTC114TK
Q704 DTC114TK
SDK CONTROL SWITCHING
Q706 DTA124
Q705 DTC124K
DK. SWITCHING
ALARM
TIMER COMPARATOR
IC702 NJM2902N
CB701
CB201
POWER OFF MUTE
S801(VR203) POWER
CB802
CB801
SDK,+B
Q815
Q611 DTA114
Q613 DTC124K
Q612 DTA124
MUTE DRIVER
DK.CUT IN
IC204 AN7183K
Q610
Q614
Q615
SDK VOLUME CONTROL
CB203
CB204
INPUT CIRCUIT
DRIVER
SEPP OUTPUT
STANDBY CIRCUIT
PROTECTION CIRCUIT
POWER AMP
1
2
3
4
5
A
B
C
D
E
F
G
H


IC202
IC702
IC203
IC204
Front P.C. Board (2/2)
IC202 μPC4558C
TONE AMP
MUTING
Q204 2SC2878
Q205 2SC2878
Q202 DTC114K
Q203 DTC114K
LOUDNESS
Q201 2SC2021M
DOLBY
IC203 μPC4558C
PRE AMP
Q207
Q206
MUTING
2SC2878x2
QRB SOCKET ET1-1
OUTPUT RCA
R ch
L ch
CB202
R-OUT
L-OUT
GND
POWER OFF MUTE
S801(VR203) POWER
CB802
POWER ANT
IN PAUSE
OUT REMOTE
IN-INT
OUT-INT
POWER ANT
IN-INT (7292L only)
OUT-INT (7292M only)
CB801
IGN
BATT
GND (POWER)
GND
SDK, +B
※Q815
Q611 DTA114
Q613 DTC124K
Q612 DTA124
MUTE DRIVER
5A
PREOUT CONNECTOR
SK.IND SWITCHING
Q702 DTA114
Q704 DTC114TK
Q703 DTC114TK
SDK CONTROL SWITCHING
Q706 DTA124
DK. SWITCHING
Q705 DTC124K
ALARM
IC702 NJM2902N
TIMER COMPARATOR
CB701
DA204Kx2
DK.CUT IN
IC204 AN7183K
※Q610
※Q614
※Q615
SDK VOLUME CONTROL
INPUT CIRCUIT
DRIVER
SEPP OUTPUT
STANDBY CIRCUIT
PROTECTION CIRCUIT
POWER AMP
CB203
CB204
R-COM
L-COM
SPEAKER OUTPUT
R-F
R-R
L-F
L-R
DIMMER
VR203 ※-7
VR203 ※-6
D E F G H I J K

IC701

1	0V	10	3.9V
2	5.8V	11	5V
3	2.7V	12	3.8V
4	6.6V	13	3.9V
5	3.9V	14	3.9V
6	3.9V	15	3.9V
7	7.9V	16	6.6V
8	3.9V	17	3.2V
9	5V	18	0V

IC702

1	6.6V
2	1.5V
3	4.8V
4	7.9V
5	4.8V
6	0.6V
7	6.7V
8	0.6V
9	4.8V
10	0V
11	0V
12	2.5V
13	6.1V
14	0.6V

	E	C	B	MODE
Q201	6.78V	14V	7.4V	
Q202	0V	10.2V	2V/0V	LOUD ON/OFF
Q203	0V	10.2V	0V/2V	LOUD ON/OFF
Q204	0V	0V	0.6V/0V	MUTE ON/OFF
Q205	0V	0V	0.6V/0V	MUTE ON/OFF
Q206	0V	0V	0.6V/0V	MUTE ON/OFF
Q207	0V	0V	0.6V/0V	MUTE ON/OFF
Q605	0V	1.2V	0.37V	
Q606	0V	1.2V	0.37V	
Q610	0V	0V/5.8V	2V/0.25V	DK ON/OFF
Q611	13.6V	0V	13.6V	
Q612	13.6V	13.5V/0V	0V/13.6V	MUTE ON/OFF
Q613	0V	0V/13.6V	8V/0V	MUTE ON/OFF
Q614	0V	0V	0V/0.7V	SDK ON/OFF
Q615	0V	0V	0V/0.7V	SDK ON/OFF
Q701	0V	4.56V	0.62V	
Q702	7.97V	7.95V	0V	
Q703	0V	0V	4.74V	
Q704	0V	4.73V	2.97V	
Q705	0V	0V	4.61V	
Q706	7.97V	7.96V	0V	
Q815	8V	14V	8.6V	

IC201

1	3.4V	
2	6.8V	
3	3.4V	
4	3.4V	
5	0V/4V	DOLBY ON/OFF
6	3.5V	
7	0.4V	
8	3.5V	
9	3.5V	
10	0.4V	
11	3.5V	
12	4V	
13	1.2V	
14	3.4V	
15	0V	
16	3.4V	

IC202

1	6.05V
2	6.05V
3	6.05V
4	0V
5	6.05V
6	6.05V
7	6.05V
8	13.8V

IC203

1	6.07V
2	6.07V
3	6.07V
4	0V
5	6.07V
6	6.07V
7	6.07V
8	12.8V

IC204

1	14.1V
2	6.98V
3	0V
4	6.97V
5	7.76V
6	0V
7	6.3V
8	6.3V
9	6.3V
10	0V
11	6.2V
12	0V
13	14V
14	6.9V
15	0V
16	6.9V

※

REF. NO.	7292M	7292L
Q605/Q606	DTC144W	×
Q610	DTC114TK	×
Q614/Q615	2SC2878	×
Q815	2SD1228M	×
R219	10K	8.2K
R222/R223	5.6K	2.2K
R224/R225	2.2K	10K
R237/R239	3.3K	2.2K
R248/R249	1	2.2
R253/R254	1	2.2
R258/R259	910	220
R607/R608	36K	4.7K
R610/R611	330K	×
R624	22K	×
R625	2.2K	×
R632/R633	2.2K	×
R634	680	×
R803	470-1/4	10K
R826	1K	×
VR203	100K	20K
VR603	4.7K	×
ZD806	MTZJ9.1B	×
C213~C216	0.68	0.33
C218/C219	0.033	×
E214/E216	×	0.1/50
E609	22/6.3	×
E625	47/10	×
E807	47/10	×

7292M only : For 7292M model only
7292L only : For 7292L model only

[Measuring Conditions]
- Power Supply Voltage : DC14V
- Measuring Meter : Digital Multi Voltmeter
- Measuring Point Reference : Between Ground
- Measuring Conditions : No Signal Input

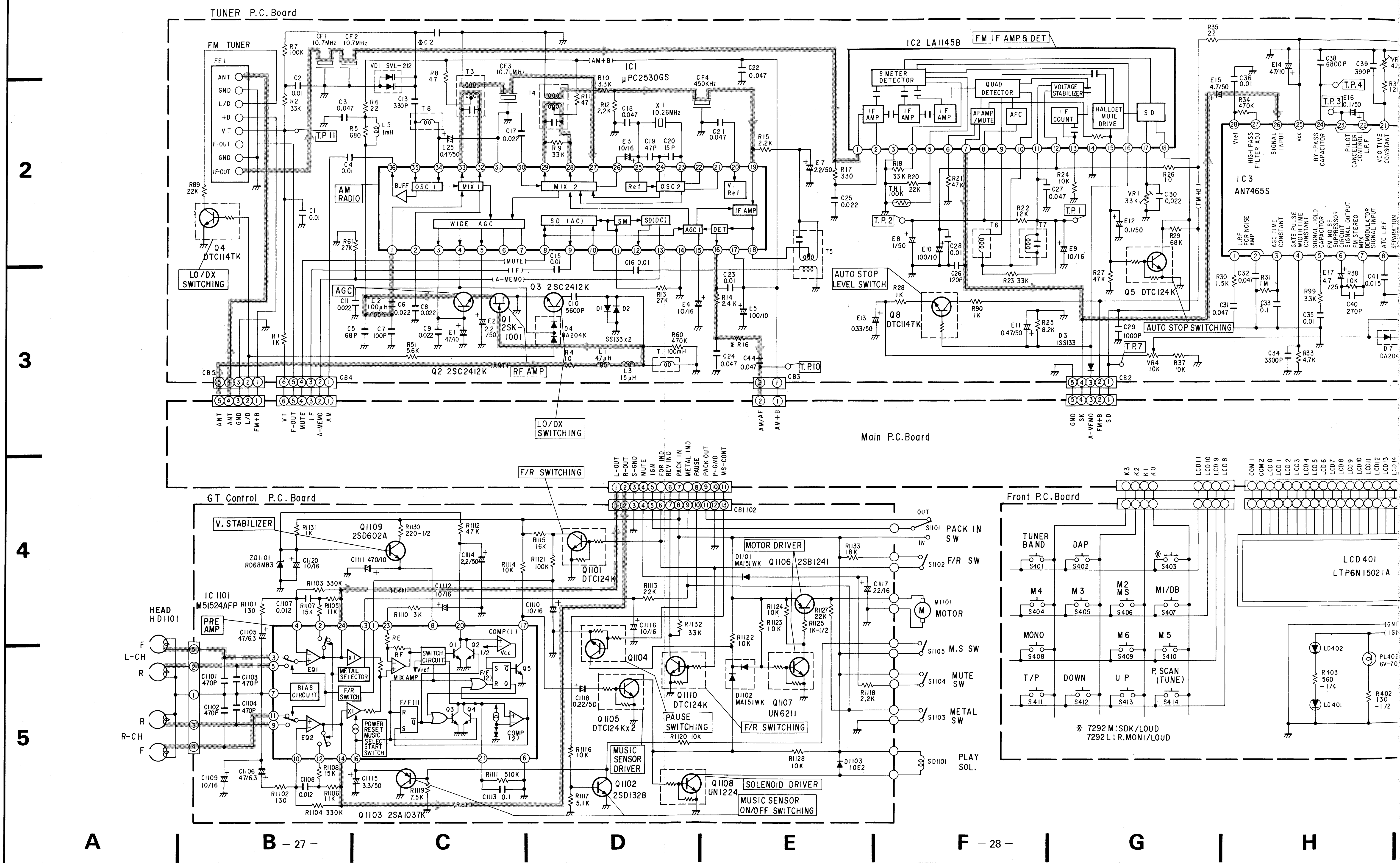
MW : 999kHz
LW : 218kHz
FM : 98.1MHz
TAPE : Blank Tape

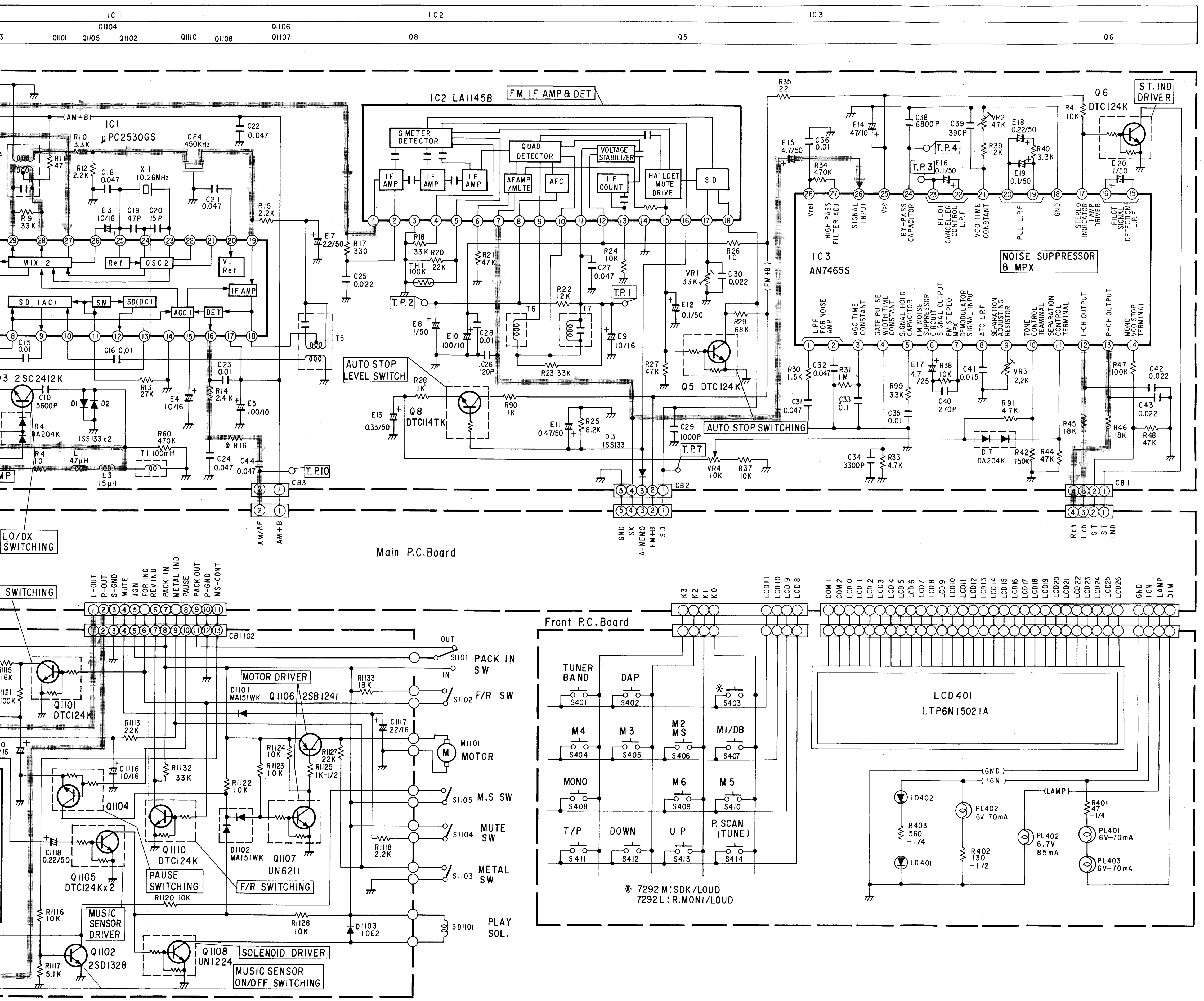
NOTES:

1. All resistance values are in ohms. K = 1,000
2. All capacitance values are in microfarads. $P = \frac{1}{1,000,000}$

Schematic Diagram (3/3)

I C	IC1101	IC1	IC2	IC3
Transistor (Q)	Q4 Q1109 Q1103 Q2 Q1 Q3 Q1101 Q1104 Q1105 Q1102	Q1110 Q1108 Q1106 Q1107	Q8	Q5


1
2
3
4
5
A
B
C
D
E
F
G
H
TUNER P.C. Board
FM TUNER
FE1
ANT
GND
L/D
+B
VT
F-OUT
GND
IF-OUT
T.P.11
AM RADIO
IC1 μPC2530GS
CF1 10.7MHz
CF2 10.7MHz
CF3 10.71MHz
CF4 450KHz
VD1 SVL-212
X1 10.26MHz
OSC 1
MIX 1
MIX 2
OSC 2
Ref
V. Ref
IF AMP
WIDE AGC
SD (AC)
SM
SD(DC)
AGC 1
DET
BUFF
(AM+B)
(MUTE)
(IF)
(A-MEMO)
(ANT)
AGC
Q1 2SK-1001
Q2 2SC2412K
Q3 2SC2412K
Q4 DTC114TK
LO/DX SWITCHING
RF AMP
D4 DA204K
1SS133x2
T1 100mH
T.P.10
IC2 LA1145B
FM IF AMP & DET
S METER DETECTOR
IF AMP
QUAD DETECTOR
VOLTAGE STABILIZER
AF AMP /MUTE
AFC
IF COUNT
HALLDET MUTE DRIVE
SD
T.P.1
T.P.2
TH1 100K
AUTO STOP LEVEL SWITCH
Q8 DTC114TK
Q5 DTC124K
AUTO STOP SWITCHING
D3 1SS133
T.P.7
IC3 AN7465S
T.P.3
T.P.4
Vref
HIGH PASS FILTER ADJ
SIGNAL INPUT
Vcc
BY-PASS CAPACITOR
PILOT CANCELLER CONTROL L.P.F
VCO TIME CONSTANT
L.P.F FOR NOISE AMP
AGC TIME CONSTANT
GATE PULSE WIDTH TIME CONSTANT
SIGNAL HOLD CAPACITOR
FM NOISE SUPPRESSOR CIRCUIT
SIGNAL OUTPUT FM STEREO
MPX DEMODULATOR SIGNAL INPUT
ATC L.P.F SEPARATION
CB5
CB4
CB3
CB2
ANT ANT GND L/D FM+B
VT F-OUT MUTE IF A-MEMO AM
AM/AF AM+B
GND SK A-MEMO FM+B SD
Main P.C.Board
L-OUT R-OUT S-GND MUTE IGN FOR IND REV IND PACK IN METAL IND PAUSE PACK OUT P-GND MS-CONT
CB1102
F/R SWITCHING
GT Control P.C. Board
V. STABILIZER
ZD1101 RD68MB3
Q1109 2SD602A
Q1101 DTC124K
IC1101 M51524AFP
HEAD HD1101
L-CH
R-CH
PRE AMP
EQ1
EQ2
METAL SELECTOR
BIAS CIRCUIT
F/R SWITCH
MIX AMP
SWITCH CIRCUIT
COMP(1)
COMP(2)
F/F(1)
F/F(2)
POWER RESET MUSIC SELECT START SWITCH
(Lch)
(Rch)
Q1103 2SA1037K
Q1104
Q1105 DTC124Kx2
Q1102 2SD1328
MUSIC SENSOR DRIVER
Q1110 DTC124K
PAUSE SWITCHING
MOTOR DRIVER
D1101 MA151WK
Q1106 2SB1241
D1102 MA151WK
Q1107 UN6211
F/R SWITCHING
Q1108 UN1224
SOLENOID DRIVER
MUSIC SENSOR ON/OFF SWITCHING
D1103 10E2
S1101 PACK IN SW
OUT
IN
S1102 F/R SW
M1101 MOTOR
S1105 M.S SW
S1104 MUTE SW
S1103 METAL SW
SD1101 PLAY SOL.
Front P.C.Board
K3 K2 K1 K0
LCD11 LCD10 LCD9 LCD8
COM1 COM2 LCD1 LCD2 LCD3 LCD4 LCD5 LCD6 LCD7 LCD8 LCD9 LCD10 LCD11 LCD12 LCD13
TUNER BAND S401
DAP S402
※ S403
M4 S404
M3 S405
M2 MS S406
M1/DB S407
MONO S408
M6 S409
M5 S410
T/P S411
DOWN S412
UP S413
P. SCAN (TUNE) S414
※ 7292M:SDK/LOUD
7292L:R.MONI/LOUD
LCD401 LTP6N15021A
LD402
LD401
R403 560 -1/4
R402 130 -1/2
PL402 6V-70


IC1
IC2
IC3
Q1104
Q1106
Q1101
Q1105
Q1102
Q1110
Q1108
Q1107
Q8
Q5
Q6
IC1 μPC2530GS
CF4 450KHz
X1 10.26MHz
MIX 2
Ref
OSC2
V. Ref
IF AMP
SD (AC)
SM
SD(DC)
AGC1
DET
(AM+B)
IC2 LA1145B
FM IF AMP & DET
S METER DETECTOR
QUAD DETECTOR
VOLTAGE STABILIZER
IF AMP
AFAMP /MUTE
AFC
IF COUNT
HALLDET MUTE DRIVE
SD
T.P.1
T.P.2
T6
T7
T5
AUTO STOP LEVEL SWITCH
Q8 DTC114TK
Q5 DTC124K
AUTO STOP SWITCHING
T.P.7
T.P.10
(FM+B)
IC3 AN7465S
NOISE SUPPRESSOR & MPX
Q6 DTC124K
ST. IND DRIVER
T.P.3
T.P.4
Vref
HIGH PASS FILTER ADJ
SIGNAL INPUT
Vcc
BY-PASS CAPACITOR
PILOT CANCELLER CONTROL L.P.F
VCO TIME CONSTANT
PLL L.P.F
GND
STEREO INDICATOR LAMP DRIVER
PILOT SIGNAL DETECTION L.P.F
L.P.F FOR NOISE AMP
AGC TIME CONSTANT
GATE PULSE WIDTH TIME CONSTANT
SIGNAL HOLD CAPACITOR
FM NOISE SUPPRESSOR CIRCUIT SIGNAL OUTPUT
FM STEREO MPX DEMODULATOR SIGNAL INPUT
ATC L.P.F
SEPARATION ADJUSTING RESISTOR
TONE CONTROL TERMINAL
SEPARATION CONTROL TERMINAL
L-CH OUTPUT
R-CH OUTPUT
MONO VCO STOP TERMINAL
D7 DA204K
CB1
CB2
CB3
AM/AF
AM+B
GND
SK
A-MEMO
FM+B
SD
Rch
Lch
ST
ST
IND
Main P.C.Board
LO/DX SWITCHING
SWITCHING
2SC2412K
D4 DA204K
1SS133x2
T1 100mH
L1 47μH
L3 15μH
L-OUT
R-OUT
S-GND
MUTE
IGN
FOR IND
REV IND
PACK IN
METAL IND
PAUSE
PACK OUT
P-GND
MS-CONT
CB1102
MOTOR DRIVER
D1101 MA151WK
Q1106 2SB1241
Q1101 DTC124K
Q1104
Q1110 DTC124K
Q1105 DTC124Kx2
PAUSE SWITCHING
D1102 MA151WK
Q1107 UN6211
F/R SWITCHING
MUSIC SENSOR DRIVER
Q1102 2SD1328
Q1108 UN1224
SOLENOID DRIVER
MUSIC SENSOR ON/OFF SWITCHING
D1103 10E2
OUT
IN
S1101 PACK IN SW
S1102 F/R SW
M1101 MOTOR
S1105 M.S SW
S1104 MUTE SW
S1103 METAL SW
SD1101 PLAY SOL.
K3
K2
K1
K0
LCD11
LCD10
LCD9
LCD8
COM1
COM2
LCD1
LCD2
LCD3
LCD4
LCD5
LCD6
LCD7
LCD8
LCD9
LCD10
LCD12
LCD13
LCD14
LCD15
LCD16
LCD17
LCD18
LCD19
LCD20
LCD21
LCD22
LCD23
LCD24
LCD25
LCD26
GND
IGN
LAMP
DIM
Front P.C.Board
TUNER BAND
DAP
S401
S402
S403
M4
M3
M2 MS
M1/DB
S404
S405
S406
S407
MONO
M6
M5
S408
S409
S410
T/P
DOWN
UP
P. SCAN (TUNE)
S411
S412
S413
S414
LCD401 LTP6N15021A
※ 7292M:SDK/LOUD
7292L:R.MONI/LOUD
LD402
LD401
R403 560 -1/4
PL402 6V-70mA
R402 130 -1/2
PL402 6.7V 85mA
R401 47 -1/4
PL401 6V-70mA
PL403 6V-70mA

	E	C	B	MODE
Q1	0V	7.6V	0V	
Q2	1.73V	6.86V	2.4V	
Q3	0V	13MV	0.55V	
Q4	0V	4.1V/0V	4.7V/0V	
Q5	0V	4.6V	0V	LO/DX
Q6	0V/0V	5V/0V	0.6V/5.6V	ST/MO

		E	C	B	MODE
●	Q1101	0V	0V/12.4V	4.3V/0V	FOR/REV
●	Q1102	0V	0V	0V	
●	Q1103	0.49V	0V	0V	
●	Q1104	0V	13.9V	0V	
●	Q1105	0V	3.46V		
●	Q1106	13.9V	13.5V	13.16V	
●	Q1107	0V	0.06V	7.14V	
●	Q1108	0V	0V	3.46V	
●	Q1109	6.4V	11.96V	7V	
●	Q1110	0V	0V/6V	4.3V/0V	FOR/REV

IC1

1	3.2V	13	5.06V	25	5.86V
2	3.2V	14	0V	26	5.96V
3	2.4V	15	3V	27	3.36V
4	1.26V	16	3V	28	3.36V
5	1.26V	17	8.43V	29	8.4V
6	1.87V	18	3.59V	30	3.36V
7	1.88V	19	3.59V	31	0V
8	1.88V	20	3.7V	32	8.06V
9	0V	21	4.59V	33	5.73V
10	5.78V	22	4.85V	34	5.73V
11	5.16V	23	4.89V	35	5.74V
12	0V	24	4.3V	36	3.23V

●CB1102

1	2.96V	
2	2.96V	
3	0V	
4		
5	13.9V	
6	4.3V/0V	FOR/REV
7	0V/6V	FOR/REV
8	13.9V	
9	10.1V	
10	0V	
11		
12	0V	
13		

IC2

1	2.8V	10	4.97V
2	2.8V	11	4.97V
3	0V	12	8.11V
4	4V	13	69MV
5	3.3V	14	0V
6	2V	15	0V
7	4.98V	16	3.9V
8	4.96V	17	3.72V
9	4.97V	18	4.59V

※

REF. NO.	7292M	7292L
R16	2K	12K
S403	SDK/LOUD	R.MONI/LOUD
C12	39P	47P

7292M only : For 7292M model only
7292L only : For 7292L model only

IC3

1	2.35V	15	2.45V
2	1.87V	16	2.45V
3	1.26V	17	5.63V
4	0V	18	0V
5	2.47V	19	2.45V
6	1.25V	20	2.45V
7	1.17V	21	1.38V
8	1.85V	22	2.43V
9	23MV	23	2.43V
10	2.3V	24	2.46V
11	2V	25	8V
12	2.65V	26	2.45V
13	2.19V	27	2.38V
14	2.17V	28	2.46V

●IC1101

1	0V/5.97V	FOR/REV	13	0V/6.22V	NORMAL/METAL
2	2.85V		14	2.96V	
3	2.76V		15		
4	2.76V		16	0.49V	
5	2.76V		17	0V	
6	0V		18		
7	2.76V		19		
8	6.4V		20	0V	
9	2.76V		21	0V	
10	2.76V		22		
11	2.76V		23	2.16V	
12	2.83V		24	2.96V	

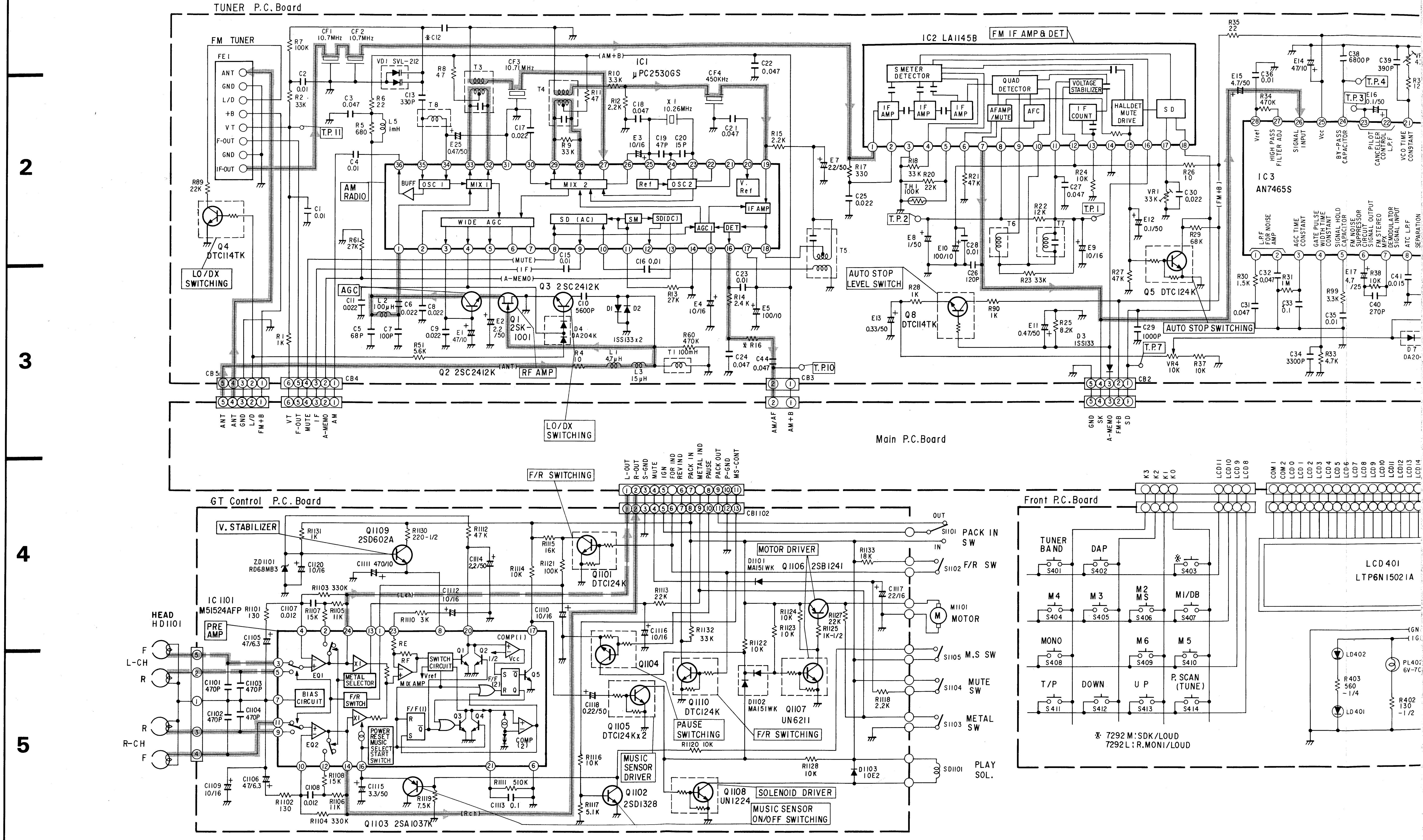
● : Indicates voltage in Vcc 14V PLAY mode (measured with multimeter)

[Measuring Conditions]
- Power Supply Voltage : DC14V
- Measuring Meter : Digital Multi Voltmeter
- Measuring Point Reference : Between Ground
- Measuring Conditions : No Signal Input
  MW : 999kHz
  LW : 218kHz
  FM : 98.1MHz
  TAPE : Blank Tape

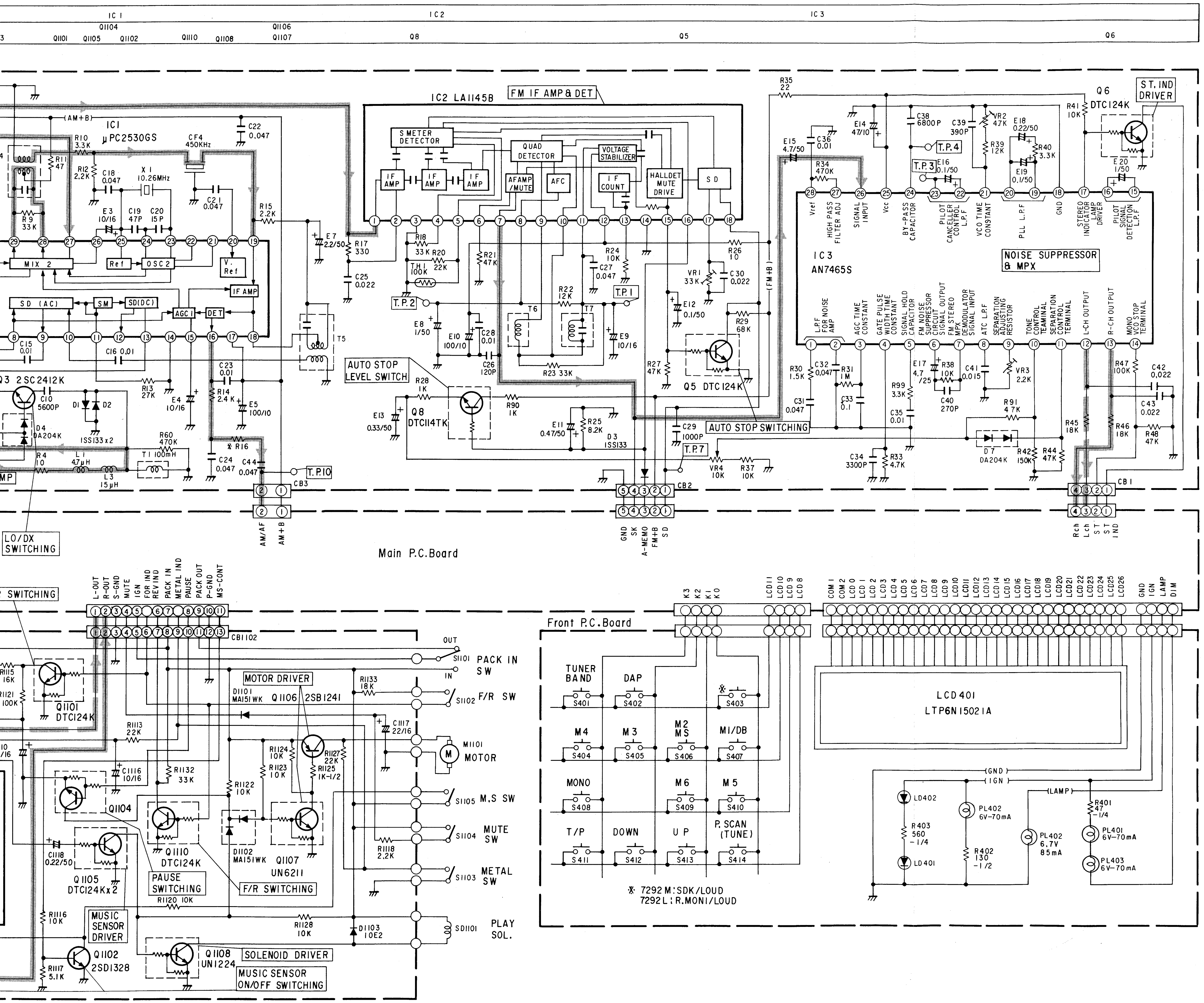
NOTES:
1. All resistance values are in ohms. K = 1,000
2. All capacitance values are in microfarads. P = $\frac{1}{1{,}000{,}000}$

Schematic Diagram (3/3)

I C	IC1101	IC1	IC2	IC3
Transistor (Q)	Q4, Q1109, Q1103, Q2, Q1, Q3, Q1101, Q1104, Q1105, Q1102, Q1110, Q1108, Q1106, Q1107		Q8	Q5


1
2
3
4
5
TUNER P.C. Board
FM TUNER
FE1
ANT
GND
L/D
+B
VT
F-OUT
GND
IF-OUT
R89 22K
Q4 DTC114TK
LO/DX SWITCHING
R7 100K
C2 0.01
R2 33K
CF1 10.7MHz
CF2 10.7MHz
VD1 SVL-212
C3 0.047
R6 22
R5 680
L5 1mH
T.P.11
C4 0.01
C1 0.01
R61 27K
AM RADIO
AGC
C11 0.022
L2 100μH
C6 0.022
C8 0.022
C5 68P
C7 100P
C9 0.022
R51 5.6K
R1 1K
※C12
C13 330P
T8
R8 47
T3
CF3 10.71MHz
E25 0.47/50
C17 0.022
T4
R11 47
R9 33K
R10 3.3K
R12 2.2K
C18 0.047
(AM+B)
IC1 μPC2530GS
X1 10.26MHz
E3 10/16
C19 47P
C20 15P
CF4 450KHz
C21 0.047
C22 0.047
R15 2.2K
BUFF
OSC 1
MIX 1
MIX 2
Ref
OSC 2
V. Ref
IF AMP
WIDE AGC
SD (AC)
SM
SD(DC)
AGC 1
DET
(MUTE)
(IF)
(A-MEMO)
C15 0.01
C16 0.01
Q3 2SC2412K
Q1 2SK-1001
E1 47/10
E2 2.2/50
C10 5600P
D1
D2
1SS133x2
D4 DA204K
R13 27K
E4 10/16
C23 0.01
R14 2.4K
E5 100/10
※R16
R60 470K
T1 100mH
C24 0.047
C44 0.047
T.P.10
R4 10
L1 47μH
L3 15μH
(ANT)
Q2 2SC2412K
RF AMP
LO/DX SWITCHING
E7 2.2/50
R17 330
C25 0.022
T5
CB5
CB4
CB3
ANT
ANT
GND
L/D
FM+B
VT
F-OUT
MUTE
IF
A-MEMO
AM
AM/AF
AM+B
IC2 LA1145B
FM IF AMP & DET
S METER DETECTOR
IF AMP
QUAD DETECTOR
VOLTAGE STABILIZER
AFAMP /MUTE
AFC
IF COUNT
HALLDET MUTE DRIVE
SD
R18 33K
R20 22K
TH1 100K
R21 47K
R24 10K
C27 0.047
T.P.1
T.P.2
E8 1/50
E10 100/10
C28 0.01
C26 120P
T6
R22 12K
T7
E9 10/16
R23 33K
R26 10
VR1 33K
C30 0.022
E12 0.1/50
R29 68K
Q5 DTC124K
R27 47K
AUTO STOP LEVEL SWITCH
R28 1K
Q8 DTC114TK
R90 1K
E13 0.33/50
E11 0.47/50
R25 8.2K
D3 1SS133
C29 1000P
T.P.7
AUTO STOP SWITCHING
VR4 10K
R37 10K
CB2
GND
SK
A-MEMO
FM+B
SD
(FM+B)
R35 22
E15 4.7/50
C36 0.01
R34 470K
E14 47/10
C38 6800P
C39 390P
T.P.4
T.P.3
E16 0.1/50
IC3 AN7465S
Vref
HIGH PASS FILTER ADJ
SIGNAL INPUT
Vcc
BY-PASS CAPACITOR
PILOT CANCELLER CONTROL
L.P.F
VCO TIME CONSTANT
L.P.F FOR NOISE AMP
AGC TIME CONSTANT
GATE PULSE WIDTH TIME CONSTANT
SIGNAL HOLD CAPACITOR
FM NOISE SUPPRESSOR CIRCUIT
SIGNAL OUTPUT FM STEREO MPX
DEMODULATOR SIGNAL INPUT
ATC L.P.F
SEPARATION
R30 1.5K
C32 0.047
R31 1M
C33 0.1
C31 0.047
R99 3.3K
C35 0.01
E17 4.7/25
R38 10K
C40 270P
C41 0.015
C34 3300P
R33 4.7K
D7 DA204
Main P.C.Board
L-OUT
R-OUT
S-GND
MUTE
IGN
FOR IND
REV IND
PACK IN
METAL IND
PAUSE
PACK OUT
P-GND
MS-CONT
CB1102
F/R SWITCHING
GT Control P.C. Board
V. STABILIZER
R1131 1K
Q1109 2SD602A
R1130 220-1/2
R1112 47K
ZD1101 RD6.8MB3
C1120 10/16
C1111 470/10
C1114 2.2/50
R1115 16K
R1121 100K
R1114 10K
Q1101 DTC124K
R1103 330K
(Lch)
C1112 10/16
IC1101 M51524AFP
R1101 130
C1107 0.012
R1107 15K
R1105 11K
R1110 3K
C1110 10/16
HEAD HD1101
PRE AMP
C1105 47/6.3
L-CH
R-CH
F
R
C1101 470P
C1103 470P
C1102 470P
C1104 470P
EQ1
EQ2
BIAS CIRCUIT
METAL SELECTOR
F/R SWITCH
SWITCH CIRCUIT
MIX AMP
Vref
COMP (1)
COMP (2)
F/F(1)
F/F (2)
POWER RESET MUSIC SELECT START SWITCH
C1109 10/16
C1106 47/6.3
R1102 130
C1108 0.012
R1108 15K
R1106 11K
R1104 330K
C1115 3.3/50
R1119 7.5K
Q1103 2SA1037K
(Rch)
R1111 510K
C1113 0.1
R1113 22K
C1116 10/16
R1132 33K
Q1104
C1118 0.22/50
Q1105 DTC124Kx2
PAUSE SWITCHING
R1116 10K
MUSIC SENSOR DRIVER
Q1102 2SD1328
R1117 5.1K
MOTOR DRIVER
D1101 MA151WK
Q1106 2SB1241
R1133 18K
C1117 22/16
R1124 10K
R1123 10K
R1127 22K
R1125 1K-1/2
R1122 10K
Q1110 DTC124K
D1102 MA151WK
Q1107 UN6211
F/R SWITCHING
R1118 2.2K
R1120 10K
R1128 10K
D1103 10E2
Q1108 UN1224
SOLENOID DRIVER
MUSIC SENSOR ON/OFF SWITCHING
OUT
IN
S1101 PACK IN SW
S1102 F/R SW
M1101 MOTOR
S1105 M.S SW
S1104 MUTE SW
S1103 METAL SW
SD1101 PLAY SOL.
Front P.C.Board
K3 K2 K1 K0
LCD11 LCD10 LCD9 LCD8
COM1 COM2 LCD0 LCD1 LCD2 LCD3 LCD4 LCD5 LCD6 LCD7 LCD8 LCD9 LCD10 LCD11 LCD12 LCD13 LCD14
TUNER BAND S401
DAP S402
※ S403
M4 S404
M3 S405
M2 MS S406
M1/DB S407
MONO S408
M6 S409
M5 S410
T/P S411
DOWN S412
UP S413
P. SCAN (TUNE) S414
※ 7292M:SDK/LOUD
7292L:R.MONI/LOUD
LCD401 LTP6N15021A
LD402
LD401
R403 560 -1/4
PL402 6V-70
R402 130 -1/2

A | B | C | D | E | F | G | H


IC1 µPC2530GS
IC2 LA1145B
FM IF AMP & DET
IC3 AN7465S
NOISE SUPPRESSOR & MPX
Q5 DTC124K
Q6 DTC124K
ST. IND DRIVER
Q8 DTC114TK
AUTO STOP LEVEL SWITCH
AUTO STOP SWITCHING
Q3 2SC2412K
LO/DX SWITCHING
Main P.C.Board
Front P.C.Board
LCD401 LTP6N15021A
MOTOR DRIVER
Q1106 2SB1241
Q1107 UN6211
Q1101 DTC124K
Q1102 2SD1328
Q1104
Q1105 DTC124Kx2
Q1108 UN1224
Q1110 DTC124K
SOLENOID DRIVER
MUSIC SENSOR DRIVER
MUSIC SENSOR ON/OFF SWITCHING
PAUSE SWITCHING
F/R SWITCHING
PACK IN SW
F/R SW
M.S SW
MUTE SW
METAL SW
PLAY SOL.
M1101 MOTOR
TUNER BAND
DAP
M4
M3
M2 MS
M1/DB
MONO
M6
M5
T/P
DOWN
UP
P. SCAN (TUNE)
※ 7292M:SDK/LOUD
7292L:R.MONI/LOUD
CB1
CB2
CB3
CB1102

	E	C	B	MODE
Q1	0V	7.6V	0V	
Q2	1.73V	6.86V	2.4V	
Q3	0V	13MV	0.55V	
Q4	0V	4.1V/0V	4.7V/0V	
Q5	0V	4.6V	0V	LO/DX
Q6	0V/0V	5V/0V	0.6V/5.6V	ST/MO

	E	C	B	MODE
● Q1101	0V	0V/12.4V	4.3V/0V	FOR/REV
● Q1102	0V	0V	0V	
● Q1103	0.49V	0V	0V	
● Q1104	0V	13.9V	0V	
● Q1105	0V	3.46V		
● Q1106	13.9V	13.5V	13.16V	
● Q1107	0V	0.06V	7.14V	
● Q1108	0V	0V	3.46V	
● Q1109	6.4V	11.96V	7V	
● Q1110	0V	0V/6V	4.3V/0V	FOR/REV

IC1

1	3.2V	13	5.06V	25	5.86V
2	3.2V	14	0V	26	5.96V
3	2.4V	15	3V	27	3.36V
4	1.26V	16	3V	28	3.36V
5	1.26V	17	8.43V	29	8.4V
6	1.87V	18	3.59V	30	3.36V
7	1.88V	19	3.59V	31	0V
8	1.88V	20	3.7V	32	8.06V
9	0V	21	4.59V	33	5.73V
10	5.78V	22	4.85V	34	5.73V
11	5.16V	23	4.89V	35	5.74V
12	0V	24	4.3V	36	3.23V

●CB1102

1	2.96V	
2	2.96V	
3	0V	
4		
5	13.9V	
6	4.3V/0V	FOR/REV
7	0V/6V	FOR/REV
8	13.9V	
9	10.1V	
10	0V	
11		
12	0V	
13		

IC2

1	2.8V	10	4.97V
2	2.8V	11	4.97V
3	0V	12	8.11V
4	4V	13	69MV
5	3.3V	14	0V
6	2V	15	0V
7	4.98V	16	3.9V
8	4.96V	17	3.72V
9	4.97V	18	4.59V

※

REF. NO.	7292M	7292L
R16	2K	12K
S403	SDK/LOUD	R.MONI/LOUD
C12	39P	47P

7292M only : For 7292M model only
7292L only : For 7292L model only

IC3

1	2.35V	15	2.45V
2	1.87V	16	2.45V
3	1.26V	17	5.63V
4	0V	18	0V
5	2.47V	19	2.45V
6	1.25V	20	2.45V
7	1.17V	21	1.38V
8	1.85V	22	2.43V
9	23MV	23	2.43V
10	2.3V	24	2.46V
11	2V	25	8V
12	2.65V	26	2.45V
13	2.19V	27	2.38V
14	2.17V	28	2.46V

●IC1101

1	0V/5.97V	FOR/REV	13	0V/6.22V	NORMAL/METAL
2	2.85V		14	2.96V	
3	2.76V		15		
4	2.76V		16	0.49V	
5	2.76V		17	0V	
6	0V		18		
7	2.76V		19		
8	6.4V		20	0V	
9	2.76V		21	0V	
10	2.76V		22		
11	2.76V		23	2.16V	
12	2.83V		24	2.96V	

● : Indicates voltage in Vcc 14V PLAY mode
(measured with multimeter)

[Measuring Conditions]
- Power Supply Voltage : DC14V
- Measuring Meter : Digital Multi Voltmeter
- Measuring Point Reference : Between Ground
- Measuring Conditions : No Signal Input
  MW : 999kHz
  LW : 218kHz
  FM : 98.1MHz
  TAPE : Blank Tape

NOTES:
1. All resistance values are in ohms. K = 1,000
2. All capacitance values are in microfarads. P = $\frac{1}{1,000,000}$

Electrical Parts List

Resistor : Carbon resistors under 1 / 4 watts are not mentioned in the parts list, please confirm them by schematic diagram.

Capacitor : μF = microfarads, pF = picofarads

Abbreviations

RES. = Resistor
C.F. = Carbon Film
M.F. = Metal Film
M.O. = Metal Oxide Film
M.P. = Metal Plate
TR. = Transistor
TRANS. = Transformer
CP. = Chip
CAP. = Capacitor
ELY. = Electrolytic
CER. = Ceramic
MYL. = Mylar
TAN. = Tantalum
POLY. = Polystyrol
PP. = Polypropylene
PLT. = Polyethylene

Main P. C. Board

IC's

	Symbol No.	Part No.	Description
	IC201	51T92407F01	CXA1102P
	IC202	51S43471U02	μPC4558C
	IC203	51S43471U02	μPC4558C
	IC204	51T25765W12	AN7183K
	IC601	51T47739F01	TC4066BP
	IC602	51T47739F01	TC4066BP
	IC603	51T25548W02	25548W02

Transistors

	Symbol No.	Part No.	Description
	Q201	48T63082F02	2SC2021M
	Q202	48T62967F02	CP., DTC114K
	Q203	48T62967F02	CP., DTC114K
	Q204	48T51878F03	2SC2878
	Q205	48T51878F03	2SC2878
	Q206	48T51878F03	2SC2878
	Q207	48T51878F03	2SC2878
	Q601	48T42182U01	2SD661
	Q602	48T42182U01	2SD661
	Q603	48T62967F03	CP., DTC124K
	Q604	48T62967F03	CP., DTC124K
●	Q605	48T62967F08	CP., DTC144W
●	Q606	48T62967F08	CP., DTC144W
▲	Q607	48T62967F03	CP., DTC124K
	Q608	48T62967F09	CP., DTC114TK
●	Q609	48T62967F03	CP., DTC124K
●	Q610	48T62967F09	CP., DTC114TK
	Q611	48T62966F02	CP., DTA114
	Q612	48T62966F03	CP., DTA124
	Q613	48T62967F03	CP., DTC124K
●	Q614	48T51878F03	2SC2878
●	Q615	48T51878F03	2SC2878
	Q616	48T62967F09	CP., DTC114TK
	Q617	48T62967F09	CP., DTC114TK
	Q618	48T62967F03	CP., DTC124K
	Q801	48T62967F03	CP., DTC124K
	Q802	48T63085F04	2SD1225M
	Q803	48T63085F04	2SD1225M
	Q804	48T63082F02	2SC2021M
	Q805	48T62967F03	CP., DTC124K
	Q806	48T70213F01	2SB911M
	Q807	48T62967F03	CP., DTC124K
	Q808	48T63420F01	CP., 2SA1037K
▲	Q809	48T62967F03	CP., DTC124K
	Q810	48T62967F03	CP., DTC124K
	Q811	48T74390F01	2SA874
	Q813	48T63085F04	2SD1225M
	Q814	48T25993W01	2SB851
●	Q815	48T63084F01	2SD1228M

Diodes / Surge Protector

	Symbol No.	Part No.	Description
	D201	48T68828F01	1SS133
	D202	48T68828F01	1SS133
	D210	48T64134F01	CP., DA204K
	D211	48T64134F01	CP., DA204K
	D602	48T68828F01	1SS133
	D603	48T63462F01	CP., DAN202K
	D604	48T68828F01	1SS133
	D605	48T68828F01	1SS133
	D606	48T68828F01	1SS133
	D607	48T63462F01	CP., DAN202K
	D609	48T63462F01	CP., DAN202K
	D610	48T68828F01	1SS133
	D611	48T68828F01	1SS133
	D612	48T68828F01	1SS133
	D613	48T68828F01	1SS133
	D614	48T68828F01	1SS133
	D615	48T68828F01	1SS133
	D616	48T68828F01	1SS133
	D617	48T68828F01	1SS133
	D618	48T68828F01	1SS133
	D619	48T68828F01	1SS133
	D620	48T68828F01	1SS133
	D621	48T68828F01	1SS133
	D622	48T68828F01	1SS133
	D623	48T68828F01	1SS133
	D624	48T68828F01	1SS133
	D625	48T68828F01	1SS133
	D626	48T68828F01	1SS133
●	D627	48T68828F01	1SS133
	D628	48T68828F01	1SS133
	D801	48C40235G02	10E2
	D803	48S40477U01	1N4003
	D804	48S40477U01	1N4003
	D805	48T68828F01	1SS133

Note : ●: For 7292M model only. ▲: For 7292L model only. Others : Common.

Symbol No.		Part No.	Description
	D806	48T68828F01	1SS133
	D807	48T64134F01	CP., DA204K
	ZD201	48T26033W37	Zener, MTZJ7.5C
	ZD202	48T26033W30	Zener, MTZJ6.2B
	ZD601	48T26033W43	Zener, MTZJ9.1C
	ZD602	48T26033W26	Zener, MTZJ5.6A
	ZD603	48T26033W20	Zener, MTZJ4.7A
	ZD604	48T26033W23	Zener, MTZJ5.1A
	ZD605	48T26033W23	Zener, MTZJ5.1A
	ZD606	48T91071F11	Zener, HZS5BLL
▲	ZD607	48T26033W23	Zener, MTZJ5.1A
	ZD801	48T26033W47	Zener, MTZJ11A
	ZD802	48T83128F08	Zener, HZS6C2L
	ZD803	48T91071F09	Zener, HZS4CLL
	ZD804	48T91071F11	Zener, HZS5BLL
	ZD805	48T26033W43	Zener, MTZJ9.1C
●	ZD806	48T26033W42	Zener, MTZJ9.1B
	DSP601	48T81909F01	Surge Protector, DSP-201M

Crystal / Filter / Coil

	X601	91T00024K01	4.5MHz
▲	BPF601	91T16380W01	B.P.F 10828K
	L801	24S41448F74	Coil, Inductor 1.2mH

Capacitors

●	E201	23S43247F08	ELY.,	4.7μF / 25V
▲	E201	23S61524F18	ELY.,	4.7μF / 25V
●	E202	23S43247F08	ELY.,	4.7μF / 25V
▲	E202	23S61524F18	ELY.,	4.7μF / 25V
	E203	23T68328F02	ELY.,	47μF / 10V
	C204	08S65128F19	CP.,	22pF
	E204	23T68328F03	ELY.,	100μF / 10V
●	E205	23S43247F10	ELY.,	22μF / 16V
▲	E205	23S61524F14	ELY.,	22μF / 16V
●	E206	23S43247F24	ELY.,	0.68μF / 50V
▲	E206	23S61523F35	ELY.,	0.68μF / 50V
●	E207	23S43247F24	ELY.,	0.68μF / 50V
▲	E207	23S61523F35	ELY.,	0.68μF / 50V
	C208	08S65128F19	CP.,	22pF
●	E208	23S43247F08	ELY.,	4.7μF / 25V
▲	E208	23S61524F18	ELY.,	4.7μF / 25V
	C209	08S65128F57	CP.,	1000pF
●	E209	23S43247F08	ELY.,	4.7μF / 25V
▲	E209	23S61524F18	ELY.,	4.7μF / 25V
	C210	08S65128F57	CP.,	1000pF
	E210	23S61523F15	ELY.,	47μF / 16V
	E211	23S61523F12	ELY.,	10μF / 16V
	E212	23S61523F10	ELY.,	33μF / 10V
●	C213	08T50579F23	TF,	0.68μF
▲	C213	08T90316F35	TF,	0.33μF

Symbol No.		Part No.	Description	
	E213	23S61523F29	ELY.,	1μF / 50V
●	C214	08T50579F23	TF,	0.68μF
▲	C214	08T90316F35	TF,	0.33μF
▲	E214	23S61523F25	ELY.,	0.1μF / 50V
●	C215	08T50579F23	TF,	0.68μF
▲	C215	08T90316F35	TF,	0.33μF
	E215	23S57422F05	ELY.,	1μF / 50V
●	C216	08T50579F23	TF,	0.68μF
▲	C216	08T90316F35	TF,	0.33μF
▲	E216	23S57422F01	ELY.,	0.1μF / 50V
	C217	08S65128F76	CP.,	0.1μF
	E217	23S43247F09	ELY.,	10μF / 16V
●	C218	08T42629F73	MYL.,	0.033μF
	E218	23S43247F06	ELY.,	2.2μF / 50V
●	C219	08T42629F73	MYL.,	0.033μF
	E219	23S82482F02	ELY.,	100μF / 16V
●	E220	23S43247F09	ELY.,	10μF / 16V
▲	E220	23S61524F13	ELY.,	10μF / 16V
●	E221	23S43247F10	ELY.,	22μF / 16V
▲	E221	23S61524F14	ELY.,	22μF / 16V
	E222	23S43247F06	ELY.,	2.2μF / 50V
●	E223	23S43247F10	ELY.,	22μF / 16V
▲	E223	23S61524F14	ELY.,	22μF / 16V
●	E224	23S43247F09	ELY.,	10μF / 16V
▲	E224	23S61524F13	ELY.,	10μF / 16V
	E227	23S57007F13	ELY.,	33μF / 16V
	E230	23T16360W41	ELY.,	3300μF / 16V
●	E231	23S43247F08	ELY.,	4.7μF / 25V
▲	E231	23S61524F18	ELY.,	4.7μF / 25V
●	E232	23S43247F08	ELY.,	4.7μF / 25V
▲	E232	23S61524F18	ELY.,	4.7μF / 25V
	E601	23T68328F03	ELY.,	100μF / 10V
	C602	08S65128F69	CP.,	0.01μF
●	E602	23S43247F08	ELY.,	4.7μF / 25V
▲	E602	23S61524F18	ELY.,	4.7μF / 25V
	C603	08S65128F69	CP.,	0.01μF
	C604	08S60102F20	CP.,	0.01μF
	E604	23T73862F01	ELY.,	100μF / 10V
	C605	08S65128F19	CP.,	22pF
	C606	08S65128F19	CP.,	22pF
	E606	23S61523F27	ELY.,	0.33μF / 50V
	C607	23T41366F42	ELY., (B.P)	3.3μF / 50V
	C608	23T41366F41	ELY., (B.P)	2.2μF / 50V
●	E609	23S43247F16	ELY.,	22μF / 6.3V
●	E610	23S43247F09	ELY.,	10μF / 16V
▲	E610	23S61524F13	ELY.,	10μF / 16V
●	E611	23S43247F09	ELY.,	10μF / 16V
▲	E611	23S61524F13	ELY.,	10μF / 16V
●	E612	23S43247F08	ELY.,	4.7μF / 25V
▲	E612	23S61524F18	ELY.,	4.7μF / 25V
●	E613	23S43247F08	ELY.,	4.7μF / 25V

Note : ●: For 7292M model only. ▲: For 7292L model only. Others : Common.

	Symbol No.	Part No.	Description
▲	E613	23S61524F18	ELY., 4.7μF / 25V
●	E614	23S43247F09	ELY., 10μF / 16V
▲	E614	23S61524F13	ELY., 10μF / 16V
●	E615	23S43247F09	ELY., 10μF / 16V
▲	E615	23S61524F13	ELY., 10μF / 16V
●	E616	23S43247F07	ELY., 3.3μF / 25V
▲	E616	23S61524F17	ELY., 3.3μF / 25V
●	E617	23S43247F05	ELY., 1μF / 50V
▲	E617	23S61524F32	ELY., 1μF / 50V
●	E618	23S43247F05	ELY., 1μF / 50V
▲	E618	23S61524F32	ELY., 1μF / 50V
●	E625	23T68328F02	ELY., 47μF / 10V
▲	E630	23S61524F32	ELY., 1μF / 50V
	C640	08T15399W01	CP., 0.022μF
	C690	08S65480F61	CER., 0.01μF
	C691	08S65480F49	CER., 1000pF
	E801	23C42170G30	ELY., 470μF / 16V
	C802	08T15399W01	CP., 0.022μF
	E802	23S43247F10	ELY., 22μF / 16V
	C803	08T15399W01	CP., 0.022μF
●	E803	23S43247F05	ELY., 1μF / 50V
▲	E803	23S61524F32	ELY., 1μF / 50V
●	E804	23S43247F19	ELY., 220μF / 6.3V
▲	E804	23S61524F38	ELY., 220μF / 6.3V
●	E805	23S43247F09	ELY., 10μF / 16V
▲	E805	23S61524F13	ELY., 10μF / 16V
	E806	23S61523F34	ELY., 100μF / 10V
●	E807	23T68328F02	ELY., 47μF / 10V

Resistors (All resistors are chip 1/10W ± 5% unless otherwise noted.)

	Symbol No.	Part No.	Description
	R201	06S64995F92	43K ohm
	R202	06S64995F85	22K ohm
	R203	06S53330F53	1K ohm 1/8W
	R204	06S64995F85	22K ohm
	R205	06S53330F69	4.7K ohm 1/8W
	R210	06S64996F26	1M ohm
	R215	06S64996F26	1M ohm
	R216	06S53330F29	100 ohm 1/8W
	R218	06S64995F77	10K ohm
●	R219	06S64995F77	10K ohm
▲	R219	06S64995F75	8.2K ohm
●	R222	06S64995F71	5.6K ohm
▲	R222	06S64995F61	2.2K ohm
●	R223	06S64995F71	5.6K ohm
▲	R223	06S64995F61	2.2K ohm
●	R224	06S53330F61	2.2K ohm 1/8W
▲	R224	06S53330F77	10K ohm 1/8W
●	R225	06S53330F61	2.2K ohm 1/8W
▲	R225	06S53330F77	10K ohm 1/8W
	R226	06S64995F53	1K ohm

	Symbol No.	Part No.	Description
	R227	06S64996F10	220K ohm
	R228	06S53331F02	100K ohm 1/8W
	R229	06S64995F33	150 ohm
	R234	06S64995F85	22K ohm
	R230	06S53330F75	8.2K ohm 1/8W
	R231	06S64995F85	22K ohm
	R232	06S64996F10	220K ohm
	R233	06S64995F37	220 ohm
	R235	06S64995F29	100 ohm
	R236	06S64995F77	10K ohm
●	R237	06S64995F65	3.3K ohm
▲	R237	06S64995F61	2.2K ohm
	R238	06S64995F53	1K ohm
●	R239	06S64995F65	3.3K ohm
▲	R239	06S64995F61	2.2K ohm
	R240	06S64995F85	22K ohm
	R241	06S64995F37	220 ohm
	R242	06S64995F85	22K ohm
	R243	06S64995F29	100 ohm
	R244	06S64995F77	10K ohm
●	R248	06S53331F41	1 ohm 1/8W
▲	R248	06S53331F40	2.2 ohm 1/8W
●	R249	06S53331F41	1 ohm 1/8W
▲	R249	06S53331F40	2.2 ohm 1/8W
●	R253	06S53331F41	1 ohm 1/8W
▲	R253	06S53331F40	2.2 ohm 1/8W
●	R254	06S53331F41	1 ohm 1/8W
▲	R254	06S53331F40	2.2 ohm 1/8W
●	R258	06S64995F52	910 ohm
▲	R258	06S64995F37	220 ohm
●	R259	06S64995F52	910 ohm
▲	R259	06S64995F37	220 ohm
	R260	06S64995F77	10K ohm
	R262	06S64995F85	22K ohm
	R263	06S64995F85	22K ohm
	R601	06S64995F93	47K ohm
	R603	06S64995F05	10 ohm
	R604	06S64995F53	1K ohm
	R605	06S64995F53	1K ohm
●	R610	06S64996F14	330K ohm
●	R611	06S64996F14	330K ohm
	R612	06S53330F77	10K ohm 1/8W
	R613	06S53330F77	10K ohm 1/8W
	R614	06S53330F61	2.2K ohm 1/8W
	R615	06S64995F65	3.3K ohm
	R616	06S64995F65	3.3K ohm
	R617	06S53330F53	1K ohm 1/8W
	R618	06S64995F05	10 ohm
	R619	06S53330F57	1.5K ohm 1/8W
	R621	06S53330F41	330 ohm 1/8W
	R623	06S53330F77	10K ohm 1/8W
●	R624	06S64995F85	22K ohm

Note : ●: For 7292M model only. ▲: For 7292L model only. Others : Common

	Symbol No.	Part No.	Description
●	R625	06S64995F61	2.2K ohm
	R627	06S53331F02	100K ohm 1/8W
	R628	06S53331F02	100K ohm 1/8W
	R629	06S53330F89	33K ohm 1/8W
	R630	06S53330F89	33K ohm 1/8W
	R631	06S53330F69	4.7K ohm 1/8W
●	R632	06S64995F61	2.2K ohm
●	R633	06S64995F61	2.2K ohm
●	R634	06S64995F49	680 ohm
●	R635	06S64995F77	10K ohm
	R638	06S53330F69	4.7K ohm 1/8W
	R639	06S64995F93	47K ohm
	R640	06S64995F77	10K ohm
	R641	06S64995F77	10K ohm
	R642	06S53330F93	47K ohm 1/8W
	R643	06S53330F85	22K ohm 1/8W
	R644	06S64996F01	91K ohm
	R645	06S64996F02	100K ohm
	R646	06S64995F77	10K ohm
	R647	06S64996F02	100K ohm
	R648	06S64996F02	100K ohm
	R650	06S53330F98	75K ohm 1/8W
	R651	06S53331F02	100K ohm 1/8W
	R652	06S64995F98	75K ohm
	R653	06S64996F02	100K ohm
●	R654	06S64995F93	47K ohm
●	R655	06S64995F99	82K ohm
	R656	06S64995F99	82K ohm
	R657	06S64995F77	10K ohm
	R658	06S64996F02	100K ohm
▲	R670	06S64996F02	100K ohm
	R801	06S53330F65	3.3K ohm 1/8W
	R802	06S53330F77	10K ohm 1/8W
▲	R803	06S64995F77	10K ohm
	R805	06S53330F77	10K ohm 1/8W
	R806	06S53330F53	1K ohm 1/8W
	R807	06T93535F21	M.F., 15 ohm 1/2W
	R808	06S53330F77	10K ohm 1/8W
	R809	06T51015F15	C.F., 39 ohm 1/2W
	R810	06S64995F77	10K ohm
	R815	06S64995F77	10K ohm
	R816	06S64995F61	2.2K ohm
	R817	06S53330F77	10K ohm 1/8W
	R818	06T93535F07	M.F, 3.9 ohm 1/2W
	R819	06S53330F77	10K ohm 1/8W
	R820	06S64995F61	2.2K ohm
	R821	06S53330F53	1K ohm 1/8W
	R822	06S53330F65	3.3K ohm 1/8W
	R823	06S64995F65	3.3K ohm
	R824	06S53330F65	3.3K ohm 1/8W
	R825	06S53330F53	1K ohm 1/8W
●	R826	06S53330F53	1K ohm 1/8W

	Symbol No.	Part No.	Description
●	VR203	18T16194W03	Volume Control (VOLUME, BALANCE, FADER, DX SWITCH POWER SWITCH)
●	S601		
●	S801		
▲	VR203	18T16194W04	Volume Control (VOLUME, BALANCE, FADER, DX SWITCH POWER SWITCH)
▲	S601		
▲	S801		
	VR601	18T81058F13	Variable, 10K ohm
	VR602	18T81058F13	Variable, 10K ohm
●	VR603	18T52946F11	Variable, 4.7K ohm

Tuner P. C. Board

IC's

	Symbol No.	Part No.	Description
	IC1	51T25585W02	μPC2530GS
	IC2	51T94495F01	LA1145B
	IC3	51T94316F01	AN7465S

Transistors

	Symbol No.	Part No.	Description
●	Q1	48T15894W02	FET, CP. 2SK1001
▲	Q1	48T15894W01	FET, CP. 2SK1001
	Q2	48T63417F01	CP., 2SC2412K
	Q3	48T63417F01	CP., 2SC2412K
	Q4	48T62967F09	CP., DTC114TK
	Q5	48T62967F03	CP., DTC124K
	Q6	48T62967F03	CP., DTC124K
	Q8	48T62967F09	CP., DTC114TK

Crystal / Diodes

	Symbol No.	Part No.	Description
	X1	91T00056K01	10.26MHz
	D1	48T68828F01	1SS133
	D2	48T68828F01	1SS133
	D3	48T68828F01	1SS133
	D4	48T64134F01	CP., DA204K
	D7	48T64134F01	CP., DA204K
●	VD1	48T83306F02	Varister, CP. SVC-212
▲	VD1	48T83306F01	Varister, CP. SVC-212

Coils

	Symbol No.	Part No.	Description
●	L1	24T51656F18	Inductor, 4.7μH
▲	L1	24T50508F18	Inductor, 4.7μH
	L2	24T51656F34	Inductor, 100μH
	L3	24T51656F24	Inductor, 15μH
	L5	24T51656F46	Inductor, 1mH
	T1	24T94308F01	Inductor, 100mH
	T3	24T94496F02	IFT-1 (BRN)

Note : ●: For 7292M model only. ▲: For 7292L model only. Others : Common.

	Symbol No.	Part No.	Description
	T4	24T94496F03	IFT-2 (YEL)
	T5	24T94496F04	IFT-3 (BLK)
	T6	24T58377F01	Inductor, FM (WHT)
	T7	24T58377F02	Inductor, FM 7KL (BLU)
	T8	24T94496F01	OSC (RED)

Thermistor / Filters

	Symbol No.	Part No.	Description
	TH1	48T82780F02	Thermistor, 100Kohm
	CF1	91T80084F01	CER., 10.7MHz
	CF2	91T80084F01	CER., 10.7MHz
	CF3	91T94396F01	CER., 10.71MHz
	CF4	91T25464W01	CER., 450KHz
▲	or	91T73118F02	CER., 450KHz

Capacitors

	Symbol No.	Part No.	Description
	C1	08S65128F69	CP., 0.01μF
	E1	23S61523F11	ELY., 47μF / 10V
	C2	08S65128F69	CP., 0.01μF
	E2	23S61523F30	ELY., 2.2μF / 50V
	C3	08T15399W03	CP., 0.047μF
	E3	23S57422F09	ELY., 10μF / 16V
	C4	08T44979P08	CER., 0.01μF
	E4	23S61523F12	ELY., 10μF / 16V
	C5	08S65128F31	CP., 68pF
	E5	23S61523F34	ELY., 100μF / 10V
	C6	08T15399W01	CP., 0.022μF
	C7	08S65128F35	CP., 100pF
	E7	23S61523F30	ELY., 2.2μF / 50V
	C8	08T15399W01	CP., 0.022μF
	E8	23S61523F29	ELY., 1μF / 50V
	C9	08T15399W01	CP., 0.022μF
	E9	23S57422F09	ELY., 10μF / 16V
	C10	08S65128F66	CP., 5600pF
	E10	23S43247F21	ELY., 100μF / 10V
	C11	08T15399W01	CP., 0.022μF
	E11	23S61523F28	ELY., 0.47μF / 50V
●	C12	08S82122F27	CP., 39pF
▲	C12	08S82122F29	CP., 47pF
	E12	23S61523F25	ELY., 0.1μF / 50V
	C13	08S65128F47	CP., 330pF
	E13	23S61523F27	ELY., 0.33μF / 50V
●	E14	23S61523F11	ELY., 47μF / 10V
▲	E14	23S43247F13	ELY., 47μF / 10V
	C15	08S65128F69	CP., 0.01μF
	E15	23S57422F08	ELY., 4.7μF / 25V
	C16	08S60102F20	CP., 0.01μF
	E16	23S57422F01	ELY., 0.1μF / 50V
	C17	08T15399W01	CP., 0.022μF
	E17	23S61523F17	ELY., 4.7μF / 25V
	C18	08S60102F28	CP., 0.047μF
	E18	23S61523F26	ELY., 0.22μF / 50V
	C19	08S65128F27	CP., 47pF
	E19	23S57422F01	ELY., 0.1μF / 50V
	C20	08S82122F17	CP., 15pF
	E20	23S61523F29	ELY., 1μF / 50V
	C21	08T15399W03	CP., 0.047μF
	C22	08T15399W03	CP., 0.047μF
	C23	08S65128F69	CP., 0.01μF
	C24	08T15399W03	CP., 0.047μF
	C25	08T15399W01	CP., 0.022μF
	E25	23S61523F28	ELY., 0.47μF / 50V
	C26	08S65128F37	CP., 120pF
	C27	08T15399W03	CP., 0.047μF
	C28	08S65128F69	CP., 0.01μF
	C29	08S65128F57	CP., 1000pF
	C30	08T15399W01	CP., 0.022μF
	C31	08T15399W03	CP., 0.047μF
	C32	08T15399W03	CP., 0.047μF
	C33	08S65128F76	CP., 0.1μF
	C34	08S65128F63	CP., 3300pF
	C35	08S65128F69	CP., 0.01μF
	C36	08S65128F69	CP., 0.01μF
	C38	08S65128F67	CP., 6800pF
	C39	08T44481F03	PP., 390pF
	C40	08S65128F45	CP., 270pF
	C41	08S65128F71	CP., 0.015μF
	C42	08T42629F71	MYL., 0.022μF
	C43	08T42629F71	MYL., 0.022μF
	C44	08T42629F75	MYL., 0.047μF

Resistors (All resistors are chip 1/10W ± 5% unless otherwise noted.)

	Symbol No.	Part No.	Description
	R1	06S64995F53	1K ohm
	R2	06S64995F89	33K ohm
	R4	06S64995F05	10 ohm
	R5	06S64995F49	680 ohm
	R6	06S64995F13	22 ohm
	R7	06S64996F02	100K ohm
	R8	06S64995F21	47 ohm
	R9	06S64995F89	33K ohm
	R10	06S64995F65	3.3K ohm
	R11	06S64995F21	47 ohm
	R12	06S64995F61	2.2K ohm
	R13	06S64995F87	27K ohm
	R14	06S64995F62	2.4K ohm
	R15	06S64995F61	2.2K ohm
●	R16	06S53330F60	2K ohm 1/8W
▲	R16	06S53330F79	12K ohm 1/8W
	R17	06S64995F41	330 ohm
	R18	06S64995F89	33K ohm
	R20	06S64995F85	22K ohm

Note : ●: For 7292M model only. ▲: For 7292L model only. Others : Common.

Symbol No.	Part No.	Description
R21	06S64995F93	47K ohm
R22	06S64995F79	12K ohm
R23	06S64995F89	33K ohm
R24	06S64995F77	10K ohm
R25	06S64995F75	8.2K ohm
R26	06S64995F05	10 ohm
R27	06S64995F93	47K ohm
R28	06S64995F53	1K ohm
R29	06S64995F97	68K ohm
R30	06S64995F57	1.5K ohm
R31	06S64996F26	1M ohm
R33	06S64995F69	4.7K ohm
R34	06S64996F18	470K ohm
R35	06S64995F13	22 ohm
R37	06S64995F77	10K ohm
R38	06S64995F77	10K ohm
R39	06S64995F79	12K ohm
R40	06S64995F65	3.3K ohm
R41	06S64995F77	10K ohm
R42	06S64996F06	150K ohm
R44	06S64995F93	47K ohm
R45	06S64995F83	18K ohm
R46	06S64995F83	18K ohm
R47	06S64996F02	100K ohm
R48	06S53330F93	47K ohm 1/8W
R51	06S64995F71	5.6K ohm
R60	06S64996F18	470K ohm
R61	06S53330F87	27K ohm 1/8W
R89	06S64995F85	22K ohm
R90	06S64995F53	1K ohm
R91	06S64995F93	47K ohm
R99	06S64995F65	3.3K ohm
VR1	18T74439F16	Variable, 33K ohm
VR2	18T45040F11	Variable, 4.7K ohm
VR3	18T74439F09	Variable, 2.2K ohm
VR4	18T74439F13	Variable, 10K ohm

Front P. C. Board

LED's

Symbol No.	Part No.	Description
LD401	48T51833F03	BG4524K (GRN)
LD402	48T51833F03	BG4524K (GRN)

Switches

	Symbol No.	Part No.	Description
	S401	40T70366F02	SKHLAC (BAND)
	S402	40T70366F02	SKHLAC (D.A.P.)
●	S403	40T70366F02	SKHLAC (SKD / LOUDNESS)
▲	S403	40T70366F02	SKHLAC (R.MONI / LOUDNESS)
	S404	40T70366F02	SKHLAC (M4)
	S405	40T70366F02	SKHLAC (M3)
	S406	40T70366F02	SKHLAC (M2 / M.S)
	S407	40T70366F02	SKHLAC (M1 / DOLBY)
	S408	40T70366F02	SKHLAC (MONO)
	S409	40T70366F02	SKHLAC (M6)
	S410	40T70366F02	SKHLAC (M5)
	S411	40T70366F02	SKHLAC (TAPE / PAUSE)
	S412	40T70366F02	SKHLAC (DOWN)
	S413	40T70366F02	SKHLAC (UP)
	S414	40T70366F02	SKHLAC (P.SCAN / TUNE)

Lamps

Symbol No.	Part No.	Description
PL401	65T25170W06	6V-70mA
PL402	65T25170W06	6V-70mA
PL403	65T25170W06	6V-70mA
PL404	65T25230W01	Pilot, 6.7V-85mA

Capacitors

Symbol No.	Part No.	Description	
C201	08T50579F04	TF,	0.018μF
C202	08S65128F56	CP.,	820pF
C203	08S53332F39	CP.,	2200pF
C205	08T50579F04	TF,	0.018μF
C206	08S53332F34	CP.,	820pF
C207	08S53332F39	CP.,	2200pF

Resistors (All resistors are chip 1/10W ± 5% unless otherwise noted.)

Symbol No.	Part No.	Description
R206	06S64995F85	22K ohm
R207	06S64995F85	22K ohm
R208	06S53330F67	3.9K ohm 1/8W
R209	06S64995F67	3.9K ohm
R211	06S64995F85	22K ohm
R212	06S64995F85	22K ohm
R213	06S64995F67	3.9K ohm
R214	06S53330F67	3.9K ohm 1/8W
R402	06T51015F69	C.F. 130 ohm 1/2W
VR201	18T15284W01	Volume, Slide (BASS)
VR202	18T15284W01	Volume, Slide (TREBLE)

Note : ●: For 7292M model only. ▲: For 7292L model only. Others : Common.

●SDK P. C. Board (For 7292M model only)

IC's

Symbol No.	Part No.	Description
IC701	51T82523F01	TDA1579
IC702	51T83062F01	NJM2902N

Transistors

Symbol No.	Part No.	Description
Q701	48T63417F01	CP., 2SC2412K
Q702	48T62966F02	CP., DTA114
Q703	48T62967F09	CP., DTC114TK
Q704	48T62967F09	CP., DTC114TK
Q705	48T62967F03	CP., DTC124K
Q706	48T62966F03	CP., DTA124

Diodes

Symbol No.	Part No.	Description
D701	48T68828F01	1SS133
D702	48T68828F01	1SS133
D703	48T68828F01	1SS133
D704	48T68828F01	1SS133
D705	48T68828F01	1SS133
D706	48T68828F01	1SS133
D707	48T68828F01	1SS133
D708	48T68828F01	1SS133

Coil

Symbol No.	Part No.	Description
L701	24T84175F02	SK (57kHz)

Capacitors

Symbol No.	Part No.	Description	
C701	08T50579F13	TF.,	0.1μF
C702	08T50579F13	TF.,	0.1μF
E702	23S61523F25	ELY.,	0.1μF / 50V
C703	08T50579F11	TF.,	0.068μF
E703	23S61523F11	ELY.,	47μF / 10V
C704	08T50579F11	TF.,	0.068μF
E704	23S61523F12	ELY.,	10μF / 16V
C705	08T50579F11	TF.,	0.068μF
E705	23S61523F09	ELY.,	22μF / 10V
C706	08S65480F31	CER.,	56pF
C707	08T50579F13	TF.,	0.1μF
C708	08T50579F09	TF.,	0.047μF
E708	23S61523F17	ELY.,	4.7μF / 25V
C709	08T50579F09	TF.,	0.047μF
C710	08T50579F07	TF.,	0.033μF
C711	08T15399W02	CP.,	0.033μF
C712	08T15399W03	CP,	0.047μF
C713	08T15399W02	CP.,	0.033μF
C714	08T15399W01	CP.,	0.022μF

Resistors (All resistors are chip 1/10W ± 5% unless otherwise noted.)

Symbol No.	Part No.	Description
R701	06S64995F93	47K ohm
R702	06S64995F45	470 ohm
R703	06S64995F97	68K ohm
R704	06S64995F69	4.7K ohm
R705	06S64996F02	100K ohm
R706	06S64996F22	680K ohm
R707	06S64996F10	220K ohm
R712	06S64995F77	10K ohm
R713	06S64995F97	68K ohm
R714	06S64995F91	39K ohm
R715	06S64996F10	220K ohm
R716	06S64996F04	120K ohm
R717	06S64996F22	680K ohm
R718	06S64995F77	10K ohm
R719	06S64995F97	68K ohm
R720	06S64995F41	330 ohm
R721	06S64995F73	6.8K ohm
R722	06S64996F18	470K ohm
R723	06S64996F02	100K ohm
R724	06S64995F91	39K ohm
R725	06S64996F02	100K ohm
R726	06S64996F04	120K ohm
R727	06S64995F89	33K ohm
R728	06S64995F65	3.3K ohm
R729	06S64995F65	3.3K ohm
R730	06S64995F89	33K ohm
R732	06S64995F71	5.6K ohm
R733	06S53330F83	18K ohm 1/8W
R736	06S64995F89	33K ohm
R737	06S64996F03	110K ohm
R738	06S64996F04	120K ohm
R739	06S64996F02	100K ohm
R740	06S64995F92	43K ohm
R745	06S64995F61	2.2K ohm
VR701	18T74439F02	Variable 150 ohm

GT Control P. C. Board

Symbol No.	Part No.	Description
IC		
IC1101	51T82136F02	M51524AFP
Transistors		
Q1101	48T62967F03	CP., DTC124K
Q1102	48T63788F01	CP., 2SD1328
Q1103	48T63420F03	CP., 2SA1037K
Q1104	48T62967F03	CP., DTC124K
Q1105	48T62967F03	CP., DTC124K
Q1106	48T83418F04	2SB1241
Q1107	48T90639F02	UN6211
Q1108	48T62540F11	UN1224
Q1109	48T52439F01	CP., 2SD602A
Q1110	48T62967F03	CP., DTC124K
Capacitors		
C1101	08S53332F31	CP., 470pF
C1102	08S53332F31	CP., 470pF
C1103	08S53332F31	CP., 470pF
C1104	08S53332F31	CP., 470pF
C1105	23S61523F07	ELY., 47μF / 6.3V
C1106	23S61524F07	ELY., 47μF / 6.3V
C1107	08S53332F48	CP., 0.012μF
C1108	08S53332F48	CP., 0.012μF
C1109	23S43247F09	ELY., 10μF / 16V
C1110	23S61524F13	ELY., 10μF / 16V
C1111	23C42170G32	ELY., 470μF / 10V
C1112	23S61524F13	ELY., 10μF / 16V
C1113	08S53332F57	CP., 0.1μF
C1114	23S61523F30	ELY., 2.2μF / 50V
C1115	23S61523F31	ELY., 3.3μF / 50V
C1116	23S61524F13	ELY., 10μF / 16V
C1117	23S57007F11	ELY., 22μF / 16V
C1118	23T61512F22	ELY., 0.22μF / 50V
C1120	23S61524F13	ELY., 10μF / 16V
Diodes		
D1101	48T52446F01	CP., MA151WK
D1102	48T52446F01	CP., MA151WK
D1103	48C40235G02	10E2
ZD1101	48T62934F29	Zener, CP. RD6.8MB3

Resistors (All resistors are chip 1/8W ± 5% unless otherwise noted.)

	Symbol No.	Part No.	Description
	R1101	06S53330F32	130 ohm
	R1102	06S53330F32	130 ohm
	R1103	06S53331F14	330K ohm
	R1104	06S53331F14	330K ohm
	R1105	06S53330F78	11K ohm
	R1106	06S53330F78	11K ohm
	R1107	06S64995F81	15K ohm
	R1108	06S53330F81	15K ohm
	R1110	06S53330F64	3K ohm
	R1111	06S53331F19	510K ohm
	R1112	06S53330F93	47K ohm
	R1113	06S53330F85	22K ohm
	R1114	06S53330F77	10K ohm
	R1115	06S53330F82	16K ohm
	R1116	06S53330F77	10K ohm
	R1117	06S53330F70	5.1K ohm
	R1118	06S53330F61	2.2K ohm
	R1119	06S53330F74	7.5K ohm
	R1120	06S53330F77	10K ohm
	R1121	06S53331F02	100K ohm
	R1122	06S53330F77	10K ohm
	R1123	06S53330F77	10K ohm
	R1124	06S53330F77	10K ohm
	R1125	06T67581F32	C.F. 1K ohm 1/2W
	R1127	06S53330F85	22K ohm
	R1130	06T67581F24	CF. 220 ohm 1/2W
	R1131	06S53330F53	1K ohm
	R1132	06S53330F89	33K ohm
	R1133	06S53330F83	18K ohm

Miscellaneous

	Symbol No.	Part No.	Description
●	ET1	01T25817W01	Assy., QRB Socket
▲	ET1	01T25817W02	Assy., QRB Socket
	BA801	60T25650W02	Battery, LIT. CR2032-1VC1
▲	or	60T91060F03	Battery, LIT. CR2032-V03
	LCD401	65T25814W01	LCD Display, LTP6N5021A
	HD1101	88T16375W01	Playback Head
	SD1101	01T80451F01	Assy., Keep Solenoid (PLAY)
	S1101	40T52216F01	Switch, Micro (PACK - IN)
	S1102	40T15222W01	Switch, Detector (F / R)
	S1103	40T71025F03	Switch, Detector (METAL)
	S1104	40T15222W01	Switch, Detector (MUTE)
	S1105	40T15222W01	Switch, Detector (M.S)
	M1101	01V14500W41	Assy., Motor

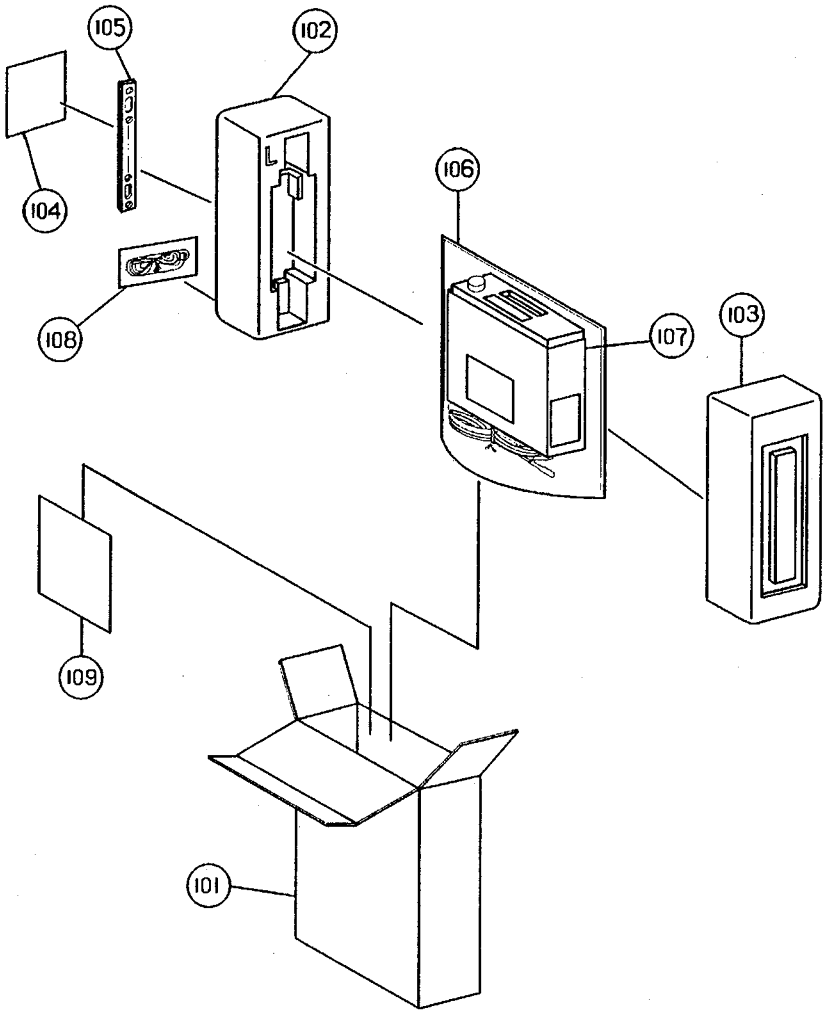
Note : ●: For 7292M model only. ▲: For 7292L model only. Others : Common.

Packing Assembly Parts List

Symbol No.		Part No.	Description
●	101	56S22119W52	Carton, Packing (Individual)
▲	101	56S22119W26	Carton, Packing (Individual)
	102	56D21594W01	Tray, Packing (L)
	103	56D21594W02	Tray, Packing (R)
	104	01V24800W20	Assy., Kit
	104-1	02B47353F01	Nut, Hex. (M5)
	104-2	03S40012G66	Screw, Tpg. (M5X20)
	104-3	03B44963F03	Bolt, Hex. W/Washer (M5X10)
	104-4	03A40155F05	Bolt, Hex. (M5X14)
	104-5	03A40155F01	Bolt, Hex. (M5X8)
	104-6	45A41684U01	Arm, Adapter
	104-7	03S44205G34	Screw, Pan (M2.6X5)
	104-8	07A30082W01	Bracket, QRB (B)
	104-9	07A30081W01	Bracket, QRB (A)
	105	07B64552F01	Bracket, Strap Receiver
	106	56C40990T36	Sack, Polyethilen
▲	107	01V24600W79	Assy., Case Mother
	107-1	15D21598W01	Case, Mother
	107-2	03A28015W01	Screw, Special (M2.6 x 6.7)
●	107-3	01T25816W01	Assy., QRB Connector (PLUG)
▲	107-3	01T25816W02	Assy., QRB Connector (PLUG)
	108	01T96095F06	Assy., Connector (4P)
●	109-1	68P21870W46	Owner's, manual
▲	109-1	68P21870W16	Owner's, Manual
●	109-2	68P21870W47	Installation, Manual
▲	109-2	68P21870W17	Installation, Manual

Note : ●: For 7292M model only. ▲: For 7292L model only. Others : Common.

Packing Method View



Cabinet Assembly Parts List

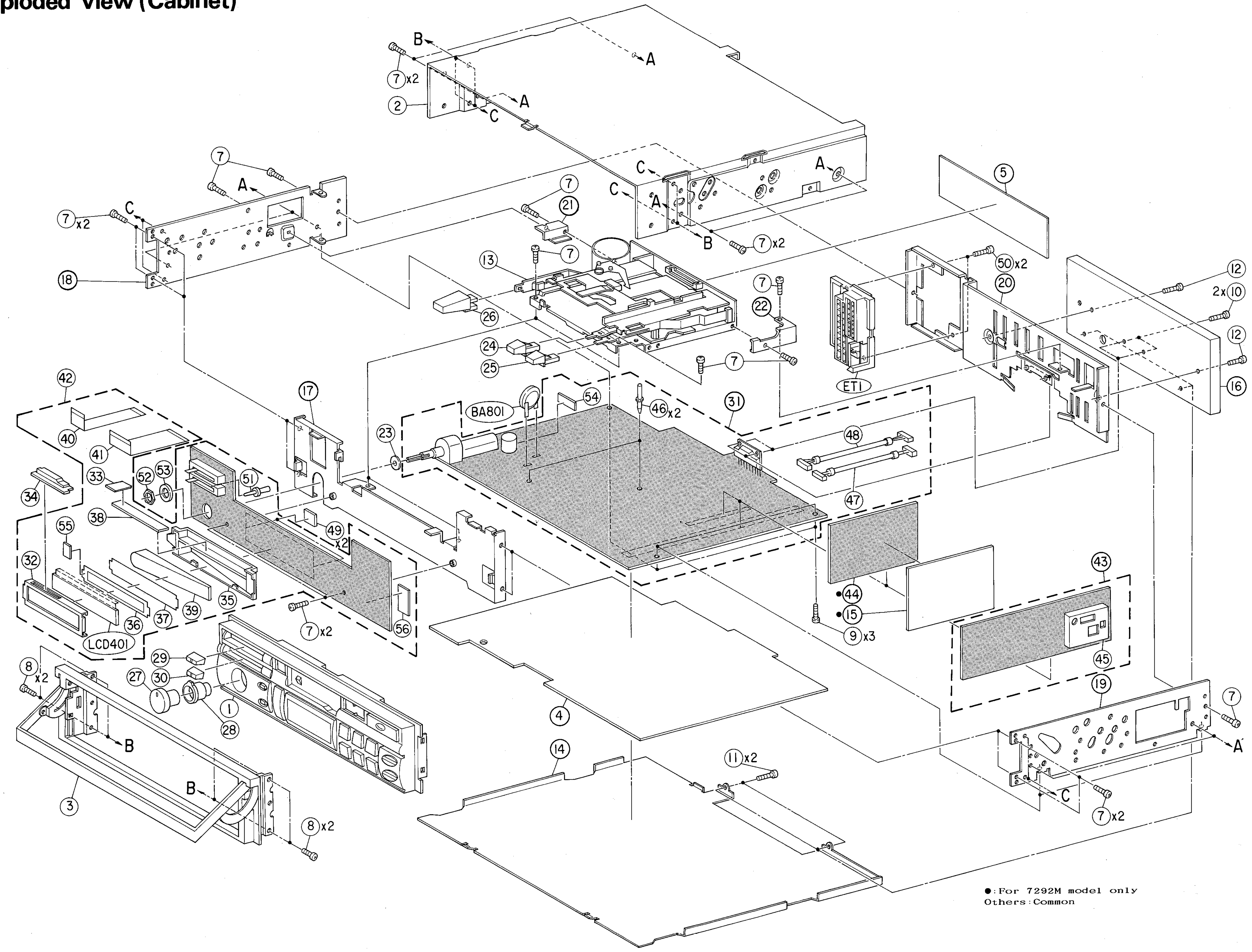
NOTE : The parts without part numbers are not supplied.

Symbol No.		Index	Part No.	Description
●	1	4-B	13D30204W02	Assy., Nosepiece
▲	1	4-B	13D30204W01	Assy., Nosepiece
	2	1-C	15T22325W01	Cover, Top
	3	5-A	07C21606W01	Assy., Bracket Handle
	7		03S44205G07	Screw, Pan (M2.6×5)
	8		03S44205G34	Screw, Pan (M2.6×5)
	9	4-F	03S44205G48	Screw, Pan (M2.6×5)
	10	2-H	03S82672F11	Screw, Bind (M2.6×12)
	11	4-E	03S71677F10	Screw, Pan (M2.6×5)
	12		03S71677F01	Screw, Pan (M2.6×8)
●	13	2-D	81D12410W08	Cassette, Deck GT75L12N
▲	13	2-D	81D12410W07	Cassette, Deck GT75L120
	23	3-C	04S40070G76	Washer, Flat (M9.3)
	24	2-D	36T22319W01	Knob, REW
	25	3-D	36T22318W01	Knob, FF
	26	2-D	36T22317W01	Knob, Eject
	27	4-B	36A94114F01	Knob, Control (Front)
	28	4-B	36A94115F01	Knob, Control (Back)
	29	4-B	36B22527W01	Knob, Slide (A)
	30	4-B	36B22527W02	Knob, Slide (B)
	32	3-A	07B21580W01	Bracket, Shield
	33	3-B	14S20875W58	Insulator, Cover
	34	3-A	14A21597W01	Insulator, Door
	35	4-B	15B21583W01	Case, LCD
	36	4-B	26A21581W01	Reflector, Sheet (A)
	37	4-B	26A21581W02	Reflector, Sheet (B)
	38	3-A	26A83087F14	Reflector, Sheet (C)
	39	4-B	61A21582W01	Lens, LCD
	40	3-A	30T26024W02	Wire, Parallel (8P)
	41	3-B	30T26024W01	Wire, Parallel (33P)
	42	3-A	01V24500W95	Assy., Front P.C.Board
	45	4-G	77T94804F01	FM Tuner, MB4E7010 (FE1)
	46	3-E	09T84840F01	Lug, Style 18mm
	47	3-F	01T26021W01	Assy., Shield Wire (2P)
	48	3-F	01T26022W01	Assy., Connector (3P)
	49	3-C	75S72374F56	Cushion, Rubber
	50	2-F	03S44205G33	Screw, Pan (M2.6×8)
	51	3-B	09T84840F02	Lug, Style 32mm
	52	3-B	02S40000G15	Nut, Hex. (M9)
	53	3-B	04S40070G52	Washer, Flat (M9.2)
	54	3-D	14S71058F23	Insulator, Cover
	55	3-A	14S81481F82	Insulator, Cover
	56	4-C	14S53017F16	Insulator, Cover

Symbol No.	Index	Part No.	Description

Note : ●: For 7292M model only. ▲: For 7292L model only. Others : Common

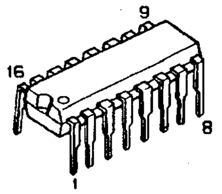
Exploded View (Cabinet)

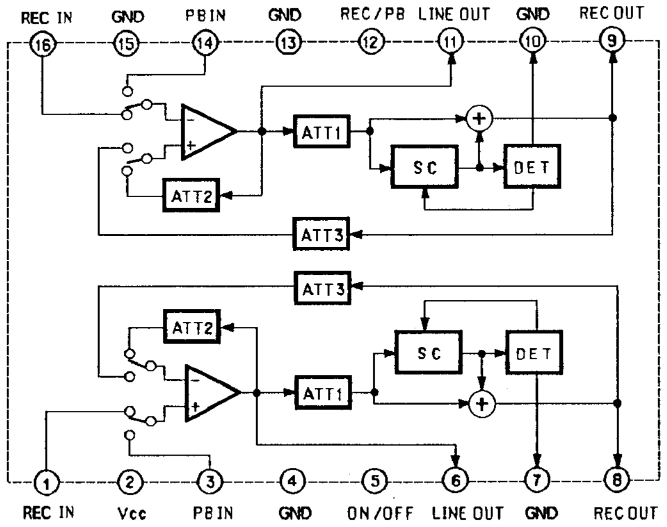

1
2
3
4
5
B
A
7 x2
2
A
C
C
A
C
A
B
7 x2
5
7
A
7 x2
C
18
7
21
7
13
50 x2
20
12
2x 10
12
16
7
22
26
24
25
7
ET1
42
17
54
BA801
46 x2
31
40
23
48
41
33
52
53
51
34
47
38
55
49 x2
32
35
39
37
36
44
15
9 x3
43
LCD401
7 x2
56
29
45
8 x2
27
30
1
28
19
7
B
4
3
B
14
11 x2
C
A
8 x2
7 x2

●:For 7292M model only
Others:Common

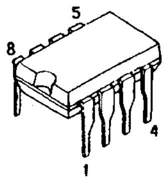
Semi-Conductor Lead Identifications

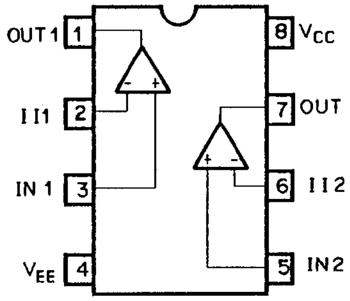
CXA1102P : IC201



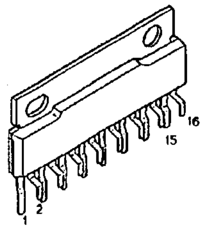

REC IN
GND
PB IN
GND
REC/PB
LINE OUT
GND
REC OUT
16
15
14
13
12
11
10
9
ATT1
ATT2
ATT3
SC
DET
ATT3
ATT2
SC
DET
ATT1
1
2
3
4
5
6
7
8
REC IN
Vcc
PB IN
GND
ON/OFF
LINE OUT
GND
REC OUT

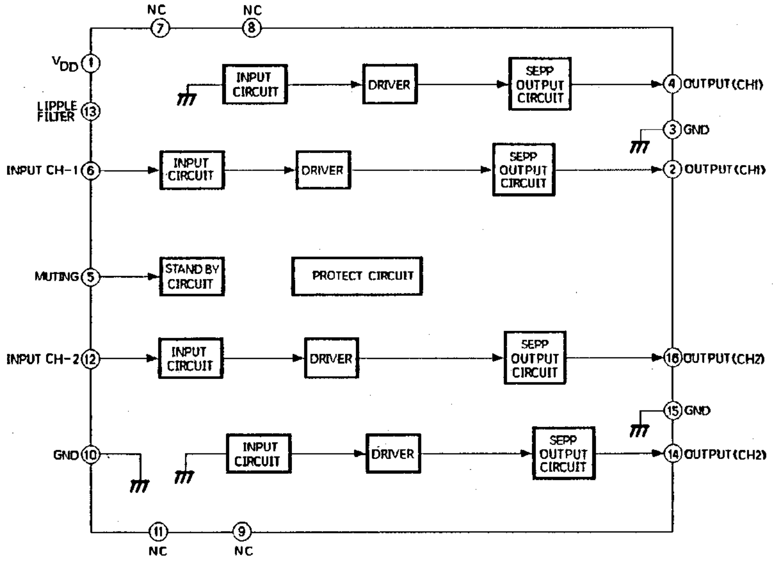
µPC4558C : IC202, 203



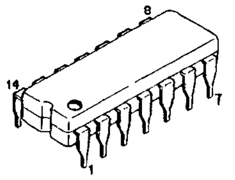

OUT 1
1
II1
2
IN 1
3
VEE
4
8
Vcc
7
OUT 2
6
II2
5
IN2

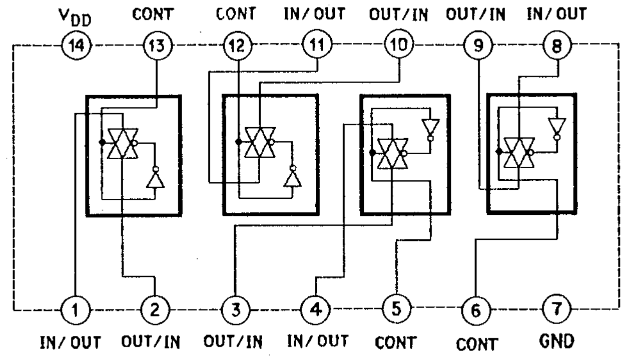
AN7183K : IC204



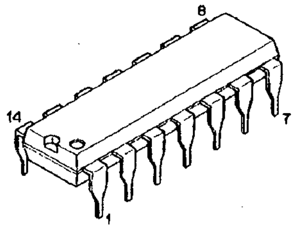

NC
7
NC
8
VDD 1
RIPPLE FILTER 13
INPUT CH-1 6
MUTING 5
INPUT CH-2 12
GND 10
INPUT CIRCUIT
DRIVER
SEPP OUTPUT CIRCUIT
STAND BY CIRCUIT
PROTECT CIRCUIT
4 OUTPUT(CH1)
3 GND
2 OUTPUT(CH1)
16 OUTPUT(CH2)
15 GND
14 OUTPUT(CH2)
11
NC
9
NC

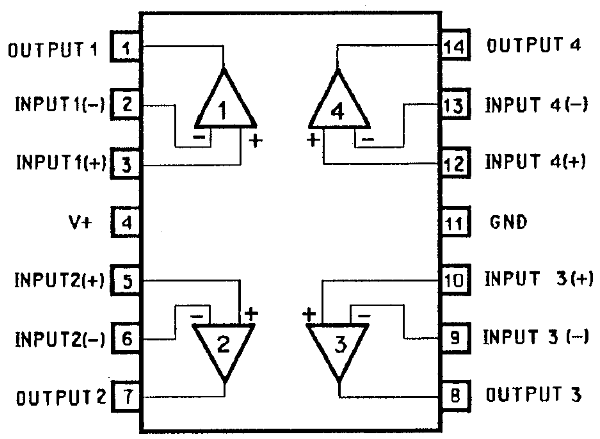
TC4066BP : IC601, 602




VDD
CONT
CONT
IN/OUT
OUT/IN
OUT/IN
IN/OUT
14
13
12
11
10
9
8
1
2
3
4
5
6
7
IN/OUT
OUT/IN
OUT/IN
IN/OUT
CONT
CONT
GND

●NJM2902N : IC702



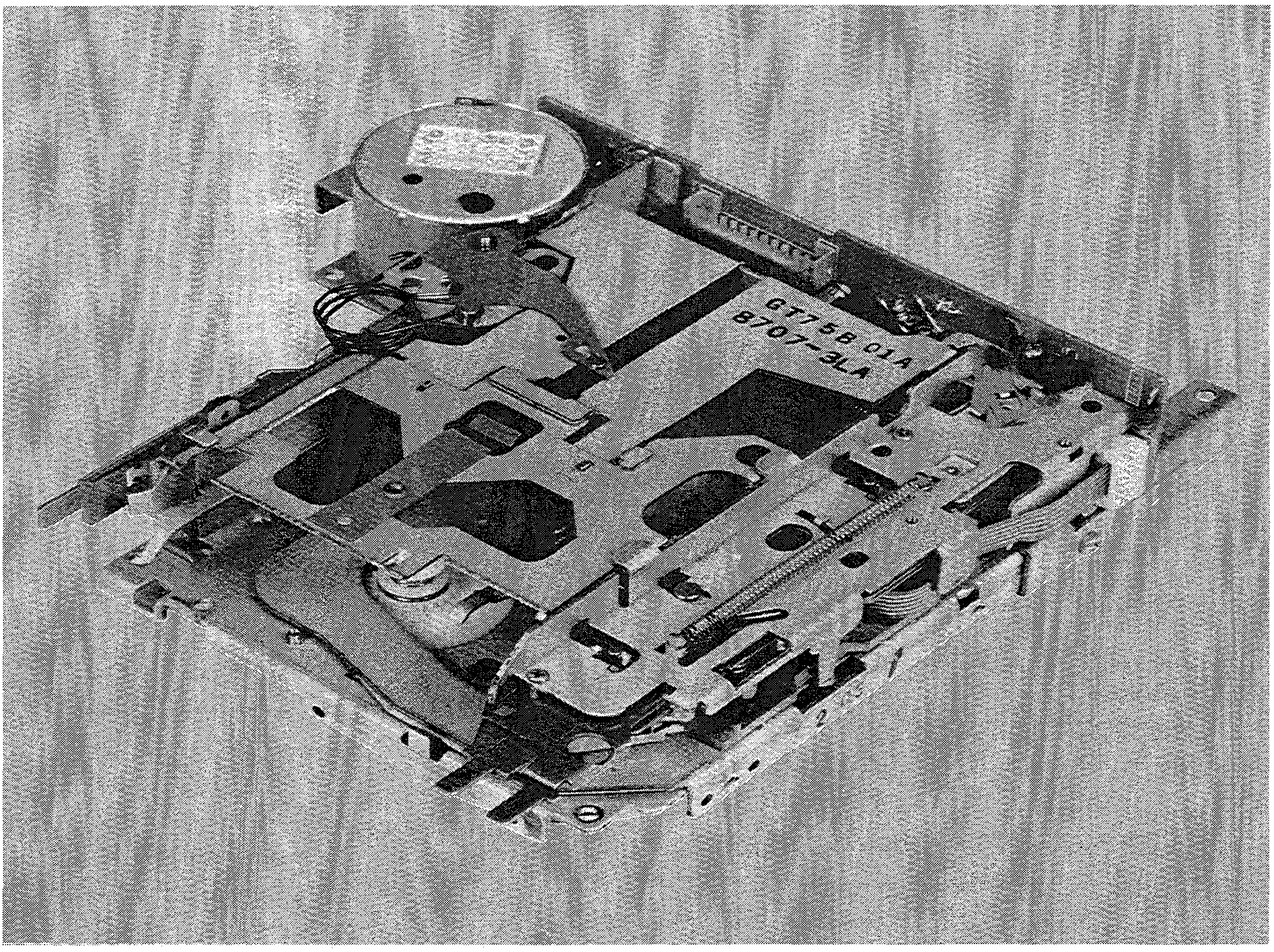

OUTPUT 1
1
INPUT 1(–)
2
INPUT 1(+)
3
V+
4
INPUT 2(+)
5
INPUT 2(–)
6
OUTPUT 2
7
14
OUTPUT 4
13
INPUT 4(–)
12
INPUT 4(+)
11
GND
10
INPUT 3(+)
9
INPUT 3 (–)
8
OUTPUT 3
1
2
3
4

Note : ●: For 7292M model only, Others : Common

ALPINE SERVICE MANUAL

Exploded View & Parts List For Cassette Deck Mechanism

ADDENDUM & REVISED


GT75B 01A
8707-3LA

GT SERIES

99

Contents

Replacement of Mechanical Parts ······ 3 to 5
Parts List (1／2) ······ 6 to 7
Exploded View (1／2) ······ 8 to 9
Exploded View (2／2) ······ 10 to 11
Parts List (2／2) ······ 12 to 13

Replacement of Mechanical Parts

1. Replacement of Belt

(1) Remove two screws marked “ ● ” and “ ◎ ” as shown in Figure 1 and remove the flywheel mounting bracket.

(2) Remove one screw “ ○ ” and motor pulley cover as shown in Figure 1.

(3) Clean a good belt with alcohol and thread the belt as shown in Figure 2. Assembly the unit, performing above steps in reverse order.

(4) Confirm the tape speed and wow/flutter with the test tape (MTT-111).

2. Replacement of Motor

(1) Remove two screws marked “ △ ” as shown in Figure 1.

(2) Remove two belts (A) and (B) as shown in Figure 2.

(3) Remove wire leads from the motor terminal and the motor will be removed.

3. Replacement of Flywheel

(1) Remove the flywheel mounting bracket and the belt (A) as shown in Figure 2.

(2) Remove the flywheel by moving it straight up.

(3) Mount a good flywheel. (In this case also insert the flywheel washer and apply a drop of “ moble 1 ” oil.)

(4) Mount the belt and the flywheel mounting bracket.

(5) After assembling, confirm the tape speed and wow-flutter, using a test tape (MTT-111).

Notes :

1. Take care the belt is not stained with oil.
2. When tightening screws for the flywheel bracket, apply tightening torque of 4.5kg・cm (“ ◎ ”) and 2.5kg・cm (“ ● ”).

4. Replacement of Reels

(1) Remove two flywheels.

(2) Remove two lock washers as shown in Figure 3 and the two reels will be removed.

(3) Replace with good reels and assembly them using above steps in reverse order.

(4) After assembling, confirm the tape speed and wow-flutter using a test tape (MTT-111).

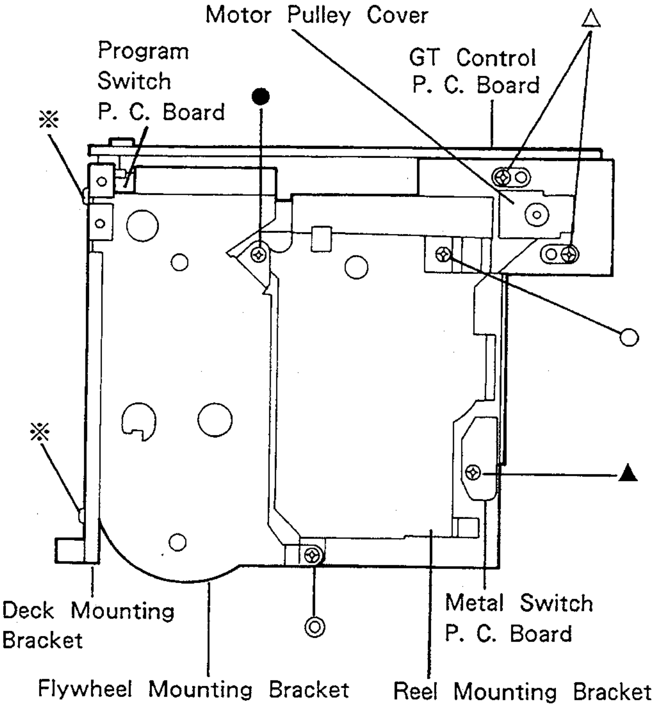

Motor Pulley Cover
△
Program Switch P. C. Board
GT Control P. C. Board
※
●
○
※
▲
Deck Mounting Bracket
◎
Metal Switch P. C. Board
Flywheel Mounting Bracket
Reel Mounting Bracket

Figure 1

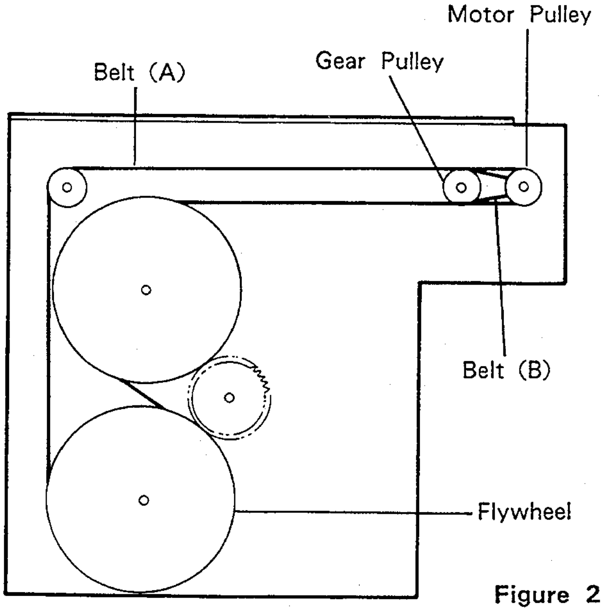

Motor Pulley
Belt (A)
Gear Pulley
Belt (B)
Flywheel

Figure 2

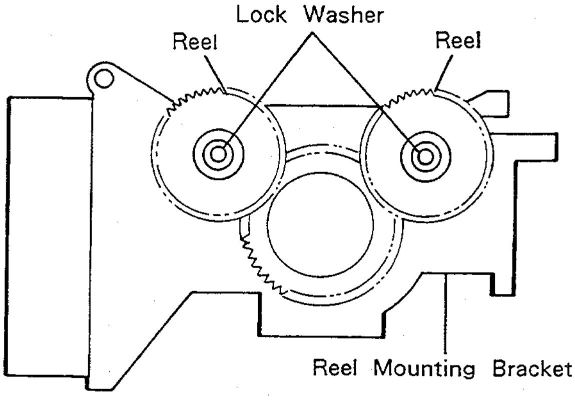

Lock Washer
Reel
Reel
Reel Mounting Bracket

Figure 3

5. Replacement of Head

(1) Remove two screws marked "※" as shown in Figure 1.

(2) Remove two screws marked "■" as shown in Figure 8.

(3) Remove two screw marked "◩" and the head flexible P. C. Board can be removed as shown in Figure 4. Then remove the P. C. Board.

(4) Replace with a good head and assembly them using above steps in reverse order.

(5) After assembling, adjust the head azimuth using the test tape (MTT-114NB). Apply the screw-lock paint on the adjusting screws.

Note : Since the flexible P. C. Board is apt to be damaged, handle it with sufficient care.

Perform the head height adjustment.

(6) Place the height adjustment gauge (M-300 or AI-500) on the head base as shown in Figures 5, 6 and 7, and adjust the gauge height so that the check bar can enter the tape head guide smoothly.

(7) When the check bar touches top or bottom guide of the tape guide, insert a spacer (of 0.1mm thickness or a polyslider washer of 0.13mm in thickness). (Or remove the spacer to adjust the height).

Note : As shown in Figure 6, if the height gauge is not available, run a tape as usual and adjust the height (head and small guide window) so that no tape curling is observed.

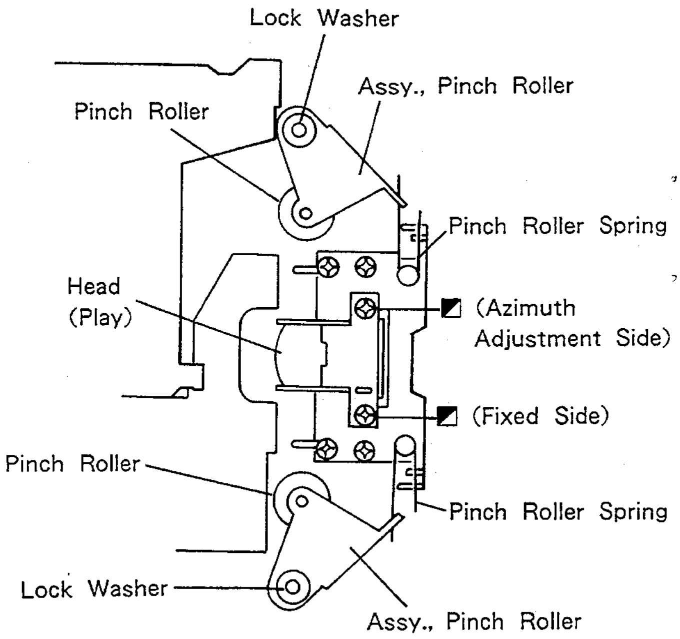

Lock Washer
Assy., Pinch Roller
Pinch Roller
Pinch Roller Spring
Head
(Play)
◩ (Azimuth Adjustment Side)
◩ (Fixed Side)
Pinch Roller
Pinch Roller Spring
Lock Washer
Assy., Pinch Roller

Figure 4

6. Replacement of Pinch Rollers

(1) Remove RF Frame Mounting Bracket.

(2) Remove two lock washers and two pinch roller springs and the pinch rollers can be removed as shown in Figure 4.

(3) Replace with good pinch rollers and clean them with alchol and assembly it using above steps in reverse order.

(4) After assembling, confirm the tape speed and wow /flutter with the test tape (MTT-111).

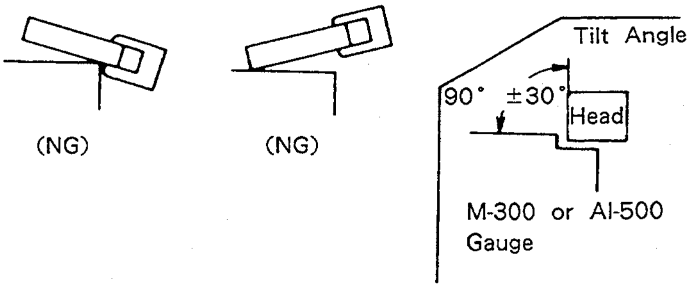

(NG)
(NG)
Tilt Angle
90° ±30°
Head
M-300 or AI-500
Gauge

Figure 5

7. Replacement of Metal Switch P. C. Board

(1) Remove a screw marked "▲" in Figure 1.

Note : Since the wire parallel is apt to be damaged, handle it with sufficient care.

(2) Replace the board with a good one and assembly the board using above steps in reverse order.

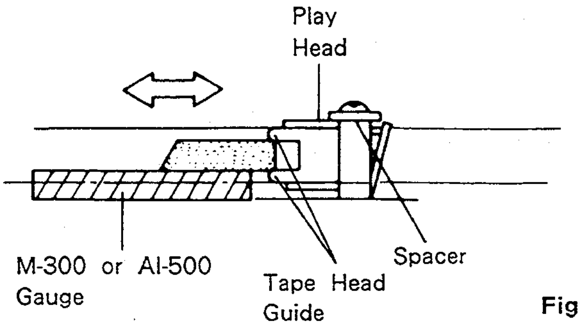

Play
Head
M-300 or AI-500
Gauge
Tape Head
Guide
Spacer

Figure 6

8. Replacement of GT Control P. C. Board and Program Switch P. C. Board

(1) Remove solders as shown in Figure 9.

(2) Remove two screws marked "□" as shown in Figure 9.

(3) Remove all connectors and wire leads from the P. C. Boards.

(4) After replacing with good ones, assemble them using disassembly instructions in reverse order.

9. Replacement of Mute Switch P. C. Board

(On GT75B01A／GT75B01B models only)

(1) Remove one screw marked "★" as shown in Figure 8.

(2) After replacing with a good one, assemble the P. C. Board using disassembly instructions in reverse order.

(On GT75B11A／GT75B11C models only)

(1) Remove the screws marked "★" as shown in Figure Ⓐ.

(2) After replacing with a good one, assemble the P. C. Boards using above steps in reverse order.

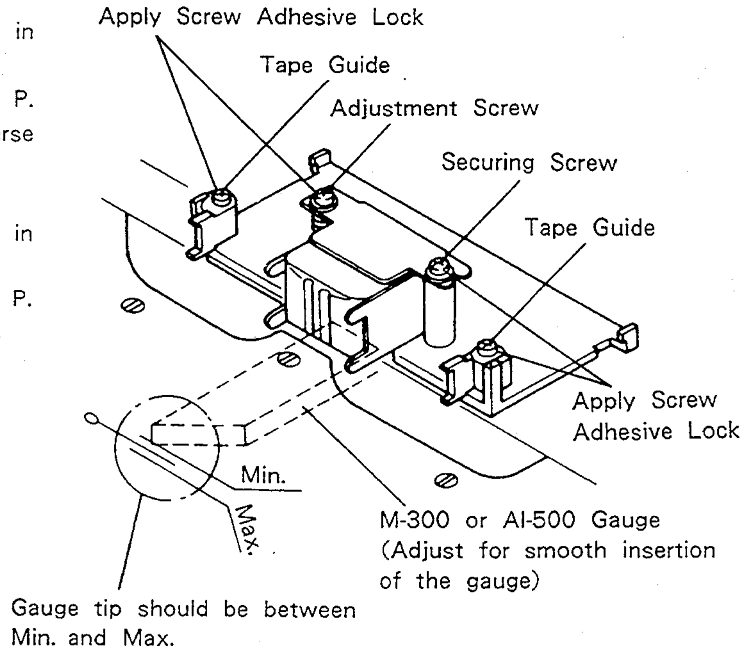

Apply Screw Adhesive Lock
Tape Guide
Adjustment Screw
Securing Screw
Tape Guide
Apply Screw Adhesive Lock
Min.
Max.
M-300 or AI-500 Gauge (Adjust for smooth insertion of the gauge)
Gauge tip should be between Min. and Max.

Figure 7

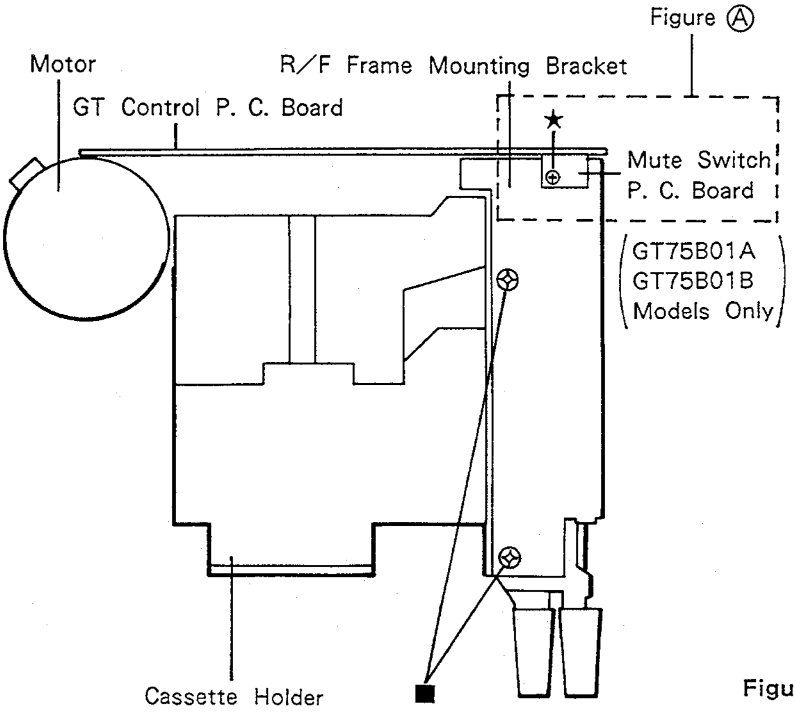
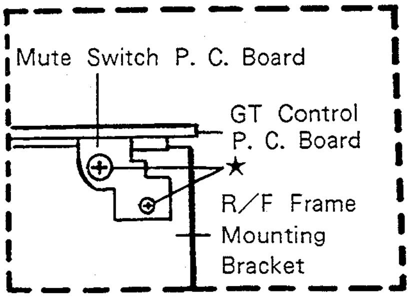


Figure Ⓐ
Motor
R/F Frame Mounting Bracket
GT Control P. C. Board
★
Mute Switch P. C. Board
GT75B01A
GT75B01B
Models Only
Cassette Holder
■

Figure 8

Figure Ⓐ (GT75B11A／GT75B11C Models only)


Mute Switch P. C. Board
GT Control P. C. Board
★
R/F Frame Mounting Bracket

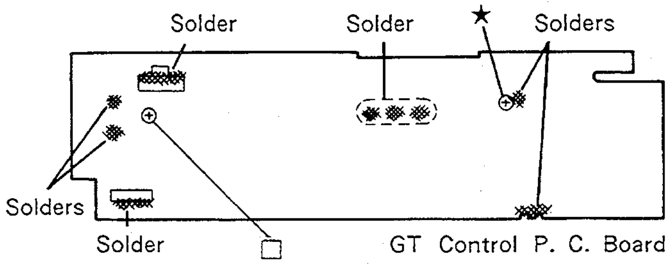

Solder
Solder
★
Solders
Solders
Solder
□
GT Control P. C. Board

Figure 9

Parts List (1/2)

NOTE : The parts without part numbers are not supplied.

Symbol No.	Index	Part No.	Description		
201	5-C	43A63281F01	Roller, Plate Base		
202	5-C	43A63282F01	Roller, Eject Arm		
203	5-C	43A80430F01	Roller, Eject Arm (B)		
204	5-B	41A80448F01	Spring, Turn Eject		
205	6-C	41B80444F04	Spring		
206		04A41345P15	Washer, Lock (M1.2)		
207		04A41345P02	Washer, Lock (M1.7)		
208	3-A	01A82275F03	Assy., Riv. Plate Base		
209	4-B	45B82846F01	Slider		
210	4-B	47A63278F01	Shaft, Slider		
211	5-B	01A80457F01	Assy., Riv. Eject Arm		
213	5-D	01A80983F01	Assy., Riv. Eject Lever		
214	4-B	01A63494F01	Assy., Riv. Cassette Holder		
216	4-E	01A80461F01	Assy., Riv. Reverse Frame		
217	4-E	44B80378F01	Gear, Change		
218	3-E	45A80366F01	Lever, Reverse Lock		
219	4-E	45A80367F01	Lever, Reverse Act		
220	3-E	41B80444F02	Spring		
221	4-F	41B80444F03	Spring		
222		04A41345P01	Washer, Lock (M1.2)		
224		43A80431F01	Roller, Sub Head Base		
225	2-C	41B80444F01	Spring		
226	2-C	01A80454F01	Assy., Riv. Head Base Act		
227	3-D	01A80458F01	Assy., Riv. RF Arm		
228	4-B	07B80356F01	Bracket, RF Frame		
231	3-B	01A84687F01	Assy., Riv. RF Link		
232	3-A	45A80361F01	Lever, Mute		
□ 233	1-C	84A84245F01	Mute Switch P. C. Board		
■ 233	1-C	84A84245F01	Mute Switch P. C. Board		
○ 233	1-E	84A82645F01	Mute Switch P. C. Board		
● 233	1-E	84A82645F01	Mute Switch P. C. Board		
234	4-C	41A80446F01	Spring, RF Lever		
235	4-B	41B80444F06	Spring		
236		03S56479F04	Screw, Pan (M2 × 7)		
237	3-A	01A80459F01	Assy., Riv. Program Push Lever		

Symbol No.	Index	Part No.	Description		
238	3-C	43A80427F01	Roller, Head Base (C)		
239		03S56479F07	Screw, Countersunk (M2.6 × 3)		
241	2-A	84T80469F01	Head P. C. Board		
242	3-B	07B80396F01	Frame, Head		
243	2-B	47A80493F01	Shaft, Head Frame		
244	2-B	43A80492F01	Roller, Head Frame		
245		43B63198F01	Tape, Guide		
246		43A80428F01	Roller, Head		
247	3-B	41A63286F03	Spring, Pinch Roller		
248	2-B	41A63286F04	Spring, Pinch Roller		
249		41A63290F01	Spring, Tape Guide		
250		41A80445F01	Spring, Head		
251		03S40019G03	Screw, F-Locks (M2 × 4)		
252	4-G	45A80386F01	Lever, Swing		
253		49A64626F01	Reel, Ring		
254		49A64627F01	Reel, Cap		
255		41A64628F01	Spring, Reel		
256	5-G	41A80450F01	Spring, Reel Clutch		
257	4-G	03A80490F01	Screw, Flat (M1.7 × 1.5)		
258	4-G	04S40075G23	Washer, Polyslider (M5.2)		
259	5-G	01A80462F01	Assy., Riv. Bracket Reel		
260	4-F	01A80463F01	Assy., Riv. Sub Reel		
261	5-F	44A80392F01	Gear, Clutch		
262	5-F	45A80393F01	Lever, Clutch		
263	5-F	43A80394F01	Bush, Clutch		
264	5-F	41A80395F01	Spring, Clutch		
265	4-H	01V81200F63	Assy., Flywheel Bracket		
266	1-B	45A80364F01	Lever, RF Lock		
267	1-B	41B80444F05	Spring		
268	1-B	01A80460F01	Assy., Riv. Play Solenoid		
269	2-G	01T63210F05	Assy., Flywheel		
270		04S40075G05	Washer, Polyslider (M2.1)		
272	5-E	84A82646F01	Metal Switch P. C. Board		
273	2-D	84A80432F01	Program Switch P. C. Board		
□ 274	1-C	01V84300F56	Assy., GT Control P. C. Board		

Notes : ○ : For GT75B01A model only, ● : For GT75B01B model only, □ : For GT75B11A model only,
■ : For GT75B11C model only, Others : Common.

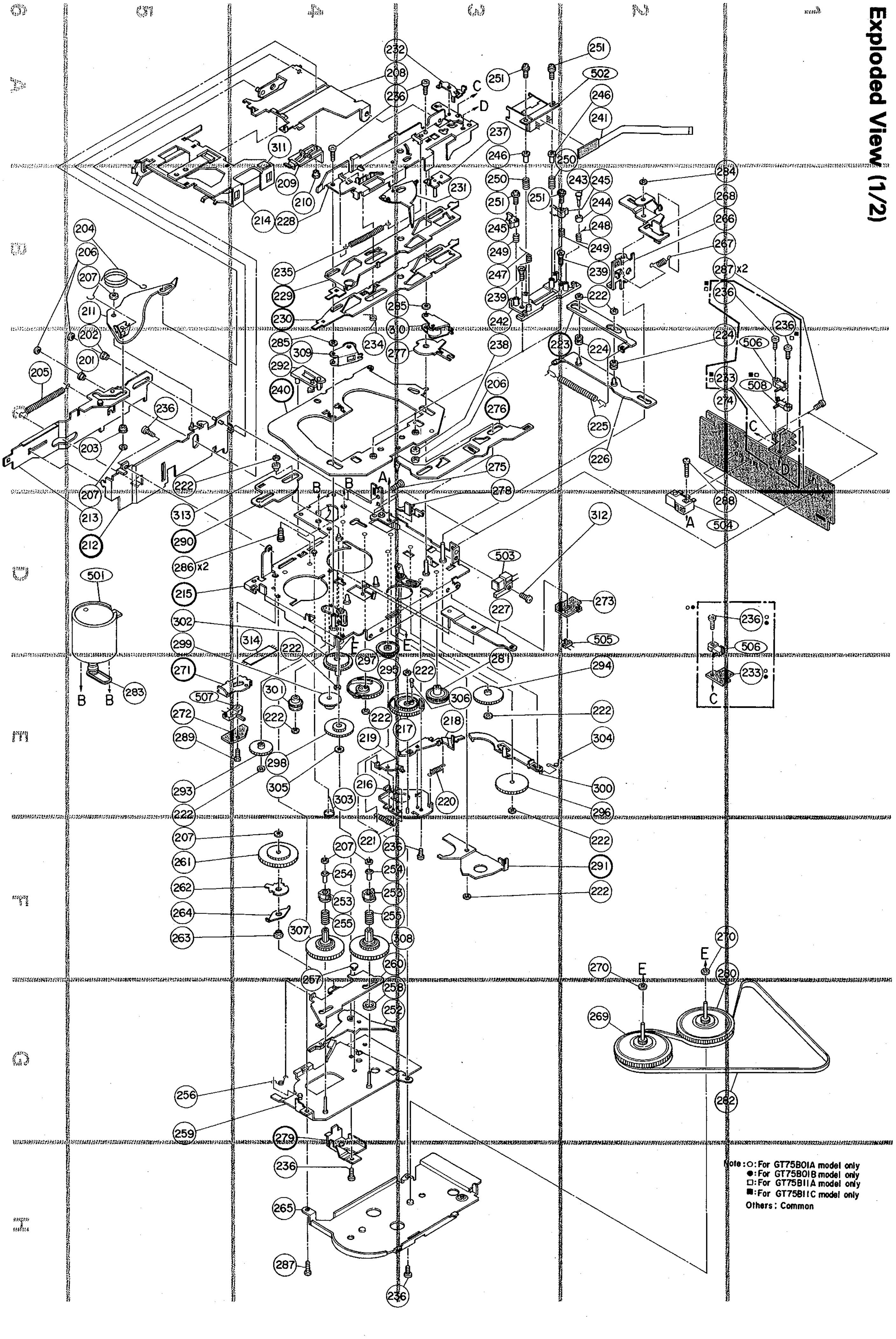
NOTE : The parts without part numbers are not supplied.

Symbol No.		Index	Part No.	Description		
○	274	1-C	01V81800F72	Assy., GT Control P. C. Board		
●	274	1-C	01V91700F39	Assy., GT Control P. C. Board		
■	274	1-C	01V93300F91	Assy., GT Control P. C. Board		
	275	3-C	03S44205G42	Screw, Pan (M2.6 × 4)		
	277	3-C	45A80373F01	Lever, Program		
	278	3-C	45A80375F01	Lever, Switch		
	280	2-F	01T63210F06	Assy., Flywheel		
	281	3-E	49A83022F01	Pully, Idler		
	282	2-G	42A40969F01	Belt		
	283	5-E	42A80397F01	Belt		
	284	1-B	04A41345P14	Washer, Lock (M2.1)		
	285		04A41345P25	Washer, Lock (M3.1)		
	286	5-D	03D40014G12	Screw, W/Washer (M2.6 × 4)		
	287		03S44205G07	Screw, Pan (M2.6 × 5)		
	288	1-D	03S68259F06	Screw, Bind (M2.3 × 8)		
	289	5-E	03S68259F03	Screw, Pan (M2 × 7)		
	292	4-C	45A80387F01	Lever, Reel Brake		
	293	5-E	44A63196F01	Gear, Take Up		
	294	2-E	44A80382F01	Gear, Take Up		
	295	4-E	44B80379F01	Gear, Pause		
	296	2-E	44A80380F01	Gear, Reverse Act		
	297	4-E	44A80381F01	Gear, Reverse Idler		
	298	4-E	44A80383F01	Gear, Pause Idler		
	299	5-D	44A80385F01	Gear, Motor Idler		
	300	2-E	45B80388F01	Lever, Trigger		
	301	4-E	44A80384F01	Gear, Pulley		
	302	5-D	44A63197F01	Gear, RF Idler		
	303	4-E	41A80447F01	Spring, Pack		
	304	2-E	41A80449F01	Spring, Program Trigger		
	305	4-E	04A41345P04	Washer, Lock (M2.6)		
	306	3-E	47A80423F01	Shaft, Change Gear		
	307	4-F	01T80390F01	Assy., Reel		
	308	3-F	01T80390F02	Assy., Reel		
	309	4-C	01T80433F01	Assy., Pinch Roller		
	310	3-B	01T80433F02	Assy., Pinch Roller		
	311	4-A	43A90918F01	Spacer, Polyslider		
	312	2-D	03S68259F09	Screw, Pan (M2 × 6)		
	313	5-D	43A90769F01	Roller, Eject Com		
	314	4-D	30T84002F01	Wire, Parallel 2P		

Symbol No.		Index	Part No.	Description		
Miscellaneous						
	501	5-D	01V81200F64	Assy., Motor		
○	502	2-A	88T50977F01	Head, Playback		
●	502	2-A	88T50977F01	Head, Playback		
□	502	2-A	88T74130F01	Head, Playback		
■	502	2-A	88T74130F01	Head, Playback		
	503	3-D	01T80451F01	Assy., Keep Solenoid		
	504	2-D	40T52216F01	Switch, Micro		
	505	2-D	40T63432F01	Switch, Slide		
	506		40T71025F01	Switch, Detector		
	507	5-E	40T71025F03	Switch, Detector		
□	508	1-C	40T71025F03	Switch, Detector		
■	508	1-C	40T71025F03	Switch, Detector		

Notes : ○ : For GT75B01A model only, ● : For GT75B01B model only, □ : For GT75B11A model only,
■ : For GT75B11C model only, Others : Common.

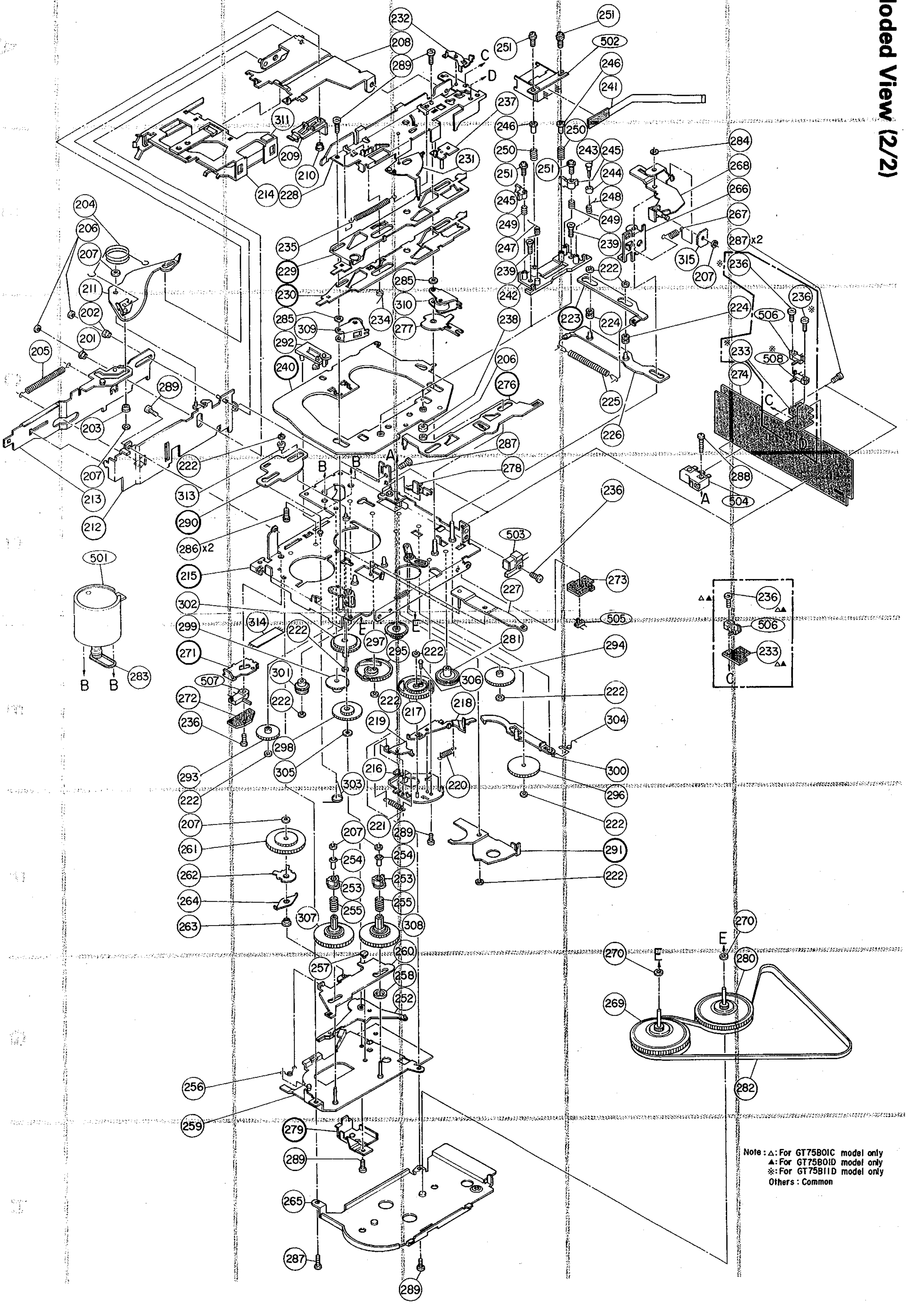
Exploded View (1/2)



6
5
4
3
2
1
A
B
C
D
E
F
G
H
232
208
236
C
D
237
311
209
210
214
228
231
251
251
502
246
241
246
250
250
251
251
243
245
244
245
248
249
249
247
239
239
242
222
284
268
266
267
287 x2
236
236
506
224
233
508
274
C
D
204
206
207
211
202
201
205
236
203
207
222
213
212
313
290
286 x2
215
235
229
230
285
310
285
309
234
277
292
240
238
206
276
275
B
B
A
278
223
224
225
226
288
A
504
312
503
227
273
505
236
506
233
C
501
283
B
B
302
299
314
271
507
272
289
222
301
222
293
298
222
305
E
297
E
295
222
222
217
306
281
294
222
219
218
216
220
303
304
300
296
222
207
261
262
264
263
207
221
236
254
254
253
253
255
255
307
308
291
222
257
260
258
252
256
259
279
236
265
287
236
270
E
270
E
280
269
282

Note : ○: For GT75B01A model only
●: For GT75B01B model only
□: For GT75B11A model only
■: For GT75B11C model only
Others : Common

Exploded View (2/2)


232
208
289
C
D
251
502
246
241
237
250
243
245
244
248
249
239
247
242
238
311
209
210
214
228
231
204
206
207
211
202
201
205
289
203
207
222
213
212
235
229
230
285
309
234
310
277
292
240
284
268
266
267
287 x2
315
236
224
506
233
508
274
A
B
206
276
223
225
226
278
288
504
236
503
273
505
313
290
286 x2
215
501
283
302
314
299
271
507
272
236
293
222
301
297
295
306
294
217
218
219
304
300
296
298
305
303
216
220
221
207
261
262
264
263
254
253
255
307
308
257
260
258
252
256
259
279
265
287
291
270
280
269
282
E
△▲
▲
△▲

Note : △ : For GT75B01C model only
▲ : For GT75B01D model only
※ : For GT75B11D model only
Others : Common

Parts List (2/2)

NOTE : The parts without part numbers are not supplied.

Symbol No.	Index	Part No.	Description		
201	5-C	43A63281F01	Roller, Plate Base		
202	5-C	43A63282F01	Roller, Eject Arm		
203	5-C	43A80430F01	Roller, Eject Arm (B)		
204	5-B	41A80448F01	Spring, Turn Eject		
205	6-C	41B80444F04	Spring		
206		04A41345P15	Washer, Lock (M1.2)		
207		04A41345P02	Washer, Lock (M1.7)		
208	3-A	01A82275F03	Assy., Riv. Plate Base		
209	4-B	45B82846F01	Slider		
210	4-B	47A63278F01	Shaft, Slider		
211	5-B	01A80457F01	Assy., Riv. Eject Arm		
213	5-D	01A80983F01	Assy., Riv. Eject Lever		
214	4-B	01A63494F01	Assy., Riv. Cassette Holder		
216	4-E	01A80461F01	Assy., Riv. Reverse Frame		
217	3-E	44B80378F01	Gear, Change		
218	3-E	45A80366F01	Lever, Reverse Lock		
219	4-E	45A80367F01	Lever, Reverse Act		
220	3-E	41B80444F02	Spring		
221	4-F	41B80444F03	Spring		
222		04A41345P01	Washer, Lock (M1.2)		
224		43A80431F01	Roller, Sub Head Base		
225	2-C	41B80444F01	Spring		
226	2-C	01A80454F01	Assy., Riv. Head Base Act		
227	3-D	01A80458F01	Assy., Riv. RF Arm		
228	4-B	07B80356F01	Bracket, RF Frame		
231	3-B	01A84687F01	Assy., Riv. RF Link		
232	3-A	45A80361F01	Lever, Mute		
※ 233	1-C	84A84245F01	Mute Switch P. C. Board		
▲ 233	1-E	84A82645F01	Mute Switch P. C. Board		
△ 233	1-E	84A82645F01	Mute Switch P. C. Board		
234	4-C	41A80446F01	Spring, RF Lever		
235	4-B	41B80444F06	Spring		
236		03S56479F04	Screw, Pan (M2 × 7)		
237	3-A	01A80459F01	Assy., Riv. Program Push Lever		
238	3-C	43A80427F01	Roller, Head Base (C)		
239		03S56479F07	Screw, Countersunk (M2.6 × 3)		
241	2-A	84T10306W01	Head P. C. Board		
242	3-C	07B80396F01	Frame, Head		
243	2-B	47A80493F01	Shaft, Head Frame		
244	2-B	43A80492F01	Roller, Head Frame		
245		43B63198F01	Tape, Guide		
246		43A80428F01	Roller, Head		
247	3-B	41A63286F03	Spring, Pinch Roller		
248	2-B	41A63286F04	Spring, Pinch Roller		
249		41A63290F01	Spring, Tape Guide		
250		41A80445F01	Spring, Head		
251		03S40019G03	Screw, F-Locks (M2 × 4)		
252	3-G	45A80386F01	Lever, Swing		
253		49A64626F01	Reel, Ring		
254		49A64627F01	Reel, Cap		
255		41A64628F01	Spring, Reel		
256	5-G	41A80450F01	Spring, Reel Clutch		
257	4-G	03A80490F01	Screw, Flat (M1.7 × 1.5)		
258	3-G	04S40075G23	Washer, Polyslider (M5.2)		
259	5-H	01A80462F01	Assy., Riv. Bracket Reel		
260	3-G	01A80463F01	Assy., Riv. Sub Reel		
261	5-F	44A80392F01	Gear, Clutch		
262	5-F	45A80393F01	Lever, Clutch		
263	5-F	43A80394F01	Bush, Clutch		
264	5-F	41A80395F01	Spring, Clutch		
265	4-H	01V81200F63	Assy., Flywheel Bracket		
266	1-B	45A80364F01	Lever, RF Lock		
267	1-B	41B80444F05	Spring		
268	1-B	01A94367F01	Assy., Riv. Play Solenoid		
269	2-G	01T63210F05	Assy., Flywheel		
270		04S40075G05	Washer, Polyslider (M2.1)		
272	5-E	84A82646F01	Metal Switch P. C. Board		
273	2-D	84A80432F01	Program Switch P. C. Board		
△ 274	1-C	01V11300W54	Assy., GT Control P. C. Board		
▲ 274	1-C	01V11400W38	Assy., GT Control P. C. Board		
※ 274	1-C	01V11300W53	Assy., GT Control P. C. Board		

Notes : △ : For GT75B01C model only, ▲ : For GT75B01D model only,
※ : For GT75B11D model only, Others : Common.

NOTE : The parts without part numbers are not supplied.

Symbol No.	Index	Part No.	Description		—
277	3-C	45A80373F01	Lever, Program		
278	3-D	45A80375F01	Lever, Switch		
280	1-G	01T63210F06	Assy., Flywheel		
281	3-E	49A83022F01	Pully, Idler		
282	1-G	42A40969F01	Belt		
283	5-E	42A80397F01	Belt		
284	1-B	04A41345P14	Washer, Lock (M2.1)		
285		04A41345P25	Washer, Lock (M3.1)		
286	5-D	03D40014G12	Screw, W/Washer (M2.6 × 4)		
287		03S44205G07	Screw, Pan (M2.6 × 5)		
288	1-D	03S68259F06	Screw, Bind (M2.3 × 8)		
289		03S56479F13	Screw, W/Washer (M1.7 × 2.5)		
292	4-C	45A80387F01	Lever, Reel Brake		
293	5-E	44A63196F01	Gear, Take Up		
294	2-E	44A80382F01	Gear, Take Up		
295	4-E	44B80379F01	Gear, Pause		
296	2-F	44A80380F01	Gear, Reverse Act		
297	4-E	44A80381F01	Gear, Reverse Idler		
298	4-E	44A80383F01	Gear, Pause Idler		
299	5-E	44A80385F01	Gear, Motor Idler		
300	2-E	45B80388F01	Lever, Trigger		
301	4-E	44A80384F01	Gear, Pulley		
302	5-D	44A63197F01	Gear, RF Idler		
303	4-E	41A80447F01	Spring, Pack		
304	2-E	41A80449F01	Spring, Program Trigger		
305	4-E	04A41345P04	Washer, Lock (M2.6)		
306	3-E	47A80423F01	Shaft, Change Gear		
307	4-F	01T80390F01	Assy., Reel		
308	3-F	01T80390F02	Assy., Reel		
309	4-C	01T80433F01	Assy., Pinch Roller		
310	3-C	01T80433F02	Assy., Pinch Roller		
311	4-A	43A90918F01	Spacer, Polyslider		
313	5-D	43A90769F01	Roller, Eject Com		
314	4-E	30T84002F01	Wire, Parallel 2P		
315	2-B	76T95077F01	Chip		

Symbol No.	Index	Part No.	Description		
Miscellaneous					
△ 501	5-D	01V11700W05	Assy., Motor		
▲ 501	5-D	01V93800F53	Assy., Motor		
※ 501	5-D	01V11700W05	Assy., Motor		
△ 502	2-A	88T50977F01	Head, Playback		
▲ 502	2-A	88T50977F01	Head, Playback		
※ 502	2-A	88T74130F01	Head, Playback		
503	3-D	01T80451F01	Assy., Keep Solenoid		
504	1-D	40T52216F01	Switch, Micro		
505	2-E	40T63432F01	Switch, Slide		
506		40T71025F01	Switch, Detect		
507	5-E	40T71025F03	Switch, Detect		
※ 508	1-C	40T71025F03	Switch, Detect		

Notes : △ : For GT75B01C model only, ▲ : For GT75B01D model only,
※ : For GT75B11D model only, Others : Common.